Appendix A

Federal Register Notices Soliciting Comment on Information Collection Requests

Minutes: The minutes of the meeting will be available for public review and copying within 90 days on the STEAB Web site, *www.steab.org.*

Issued at Washington, DC, on March 25, 2015.

LaTanya Butler,

Deputy Committee Management Officer.

[FR Doc. 2015–07379 Filed 3–30–15; 8:45 am]

BILLING CODE 6450–01–P

DEPARTMENT OF ENERGY

Federal Energy Regulatory Commission

Combined Notice of Filings #2

Take notice that the Commission received the following electric corporate filings:

Docket Numbers: EC15–103–000.

Applicants: Iberdrola, S.A., Iberdrola USA, Inc., Iberdrola USA Networks, Inc., Green Merger Sub, Inc., UIL Holdings Corporation.

Description: Joint Application of Iberdrola S.A, et al. for Authorization of Transaction under Section 203 of the Federal Power Act and Requests for Waivers of Filing Requirements, Shortened Comment Period and Expedited Consideration.

Filed Date: 3/25/15.

Accession Number: 20150325–5217.

Comments Due: 5 p.m. ET 4/15/15.

Take notice that the Commission received the following electric rate filings:

Docket Numbers: ER12–348–004.

Applicants: Mercuria Energy America, Inc.

Description: Compliance filing per 35: MBR Tariff to be effective 3/26/2015.

Filed Date: 3/25/15.

Accession Number: 20150325–5245.

Comments Due: 5 p.m. ET 4/15/15.

Docket Numbers: ER13–1332–002.

Applicants: Canadian Hills Wind, LLC.

Description: Tariff Cancellation per 35.17(a): CH Withdrawal to be effective N/A.

Filed Date: 3/25/15.

Accession Number: 20150325–5165.

Comments Due: 5 p.m. ET 4/15/15.

Docket Numbers: ER15–1372–000.

Applicants: Canadian Hills Wind, LLC.

Description: Section 205(d) rate filing per 35.13(a)(2)(iii): Filing of Amended Co-Tenancy and Shared Facilities Agreement to be effective 5/12/2015.

Filed Date: 3/25/15.

Accession Number: 20150325–5174.

Comments Due: 5 p.m. ET 4/15/15.

Docket Numbers: ER15–1373–000.

Applicants: Orange and Rockland Utilities, Inc.

Description: Section 205(d) rate filing per 35.13(a)(2)(i): Orange and Rockland Undergrounding Rate 3.24.15 to be effective 4/1/2015.

Filed Date: 3/25/15.

Accession Number: 20150325–5175.

Comments Due: 5 p.m. ET 4/15/15.

Docket Numbers: ER15–1374–000.

Applicants: PJM Interconnection, L.L.C., Potomac Electric Power Company.

Description: Section 205(d) rate filing per 35.13(a)(2)(iii): Potomac Electric Power Company submits revisions to OATT Att H–9A to be effective 4/1/2015.

Filed Date: 3/25/15.

Accession Number: 20150325–5196.

Comments Due: 5 p.m. ET 4/15/15.

Docket Numbers: ER15–1375–000.

Applicants: McCoy Solar, LLC.

Description: Baseline eTariff Filing per 35.1: McCoy Solar, LLC Application for Market-Based Rate Authority to be effective 5/24/2015.

Filed Date: 3/25/15.

Accession Number: 20150325–5230.

Comments Due: 5 p.m. ET 4/15/15.

Docket Numbers: ER15–1376–000.

Applicants: Mercuria Commodities Canada Corporation.

Description: Tariff Withdrawal per 35.15: Notice of Cancellation to be effective 3/26/2015.

Filed Date: 3/25/15.

Accession Number: 20150325–5246.

Comments Due: 5 p.m. ET 4/15/15.

Docket Numbers: ER15–1377–000

Applicants: Midcontinent Independent System Operator, Inc.

Description: Section 205(d) rate filing per 35.13(a)(2)(iii): 2015–03–25_SA 2707 NSP-Odell Wind Farm 1st Rev GIA (G826) to be effective 3/26/2015.

Filed Date: 3/25/15.

Accession Number: 20150325–5247.

Comments Due: 5 p.m. ET 4/15/15.

Docket Numbers: ER15–1378–000.

Applicants: Mercuria Commodities Canada Corporation.

Description: Baseline eTariff Filing per 35.1: Refile MBR Tariff to be effective 3/26/2015.

Filed Date: 3/25/15.

Accession Number: 20150325–5248.

Comments Due: 5 p.m. ET 4/15/15.

Docket Numbers: ER15–755–001.

Applicants: Powerex Corp.

Description: Compliance filing per 35: FERC Rate Schedule No. 1 Compliance Filing to be effective 3/1/2015.

Filed Date: 3/25/15.

Accession Number: 20150325–5195.

Comments Due: 5 p.m. ET 4/15/15.

The filings are accessible in the Commission's eLibrary system by clicking on the links or querying the docket number.

Any person desiring to intervene or protest in any of the above proceedings must file in accordance with Rules 211 and 214 of the Commission's Regulations (18 CFR 385.211 and 385.214) on or before 5:00 p.m. Eastern time on the specified comment date. Protests may be considered, but intervention is necessary to become a party to the proceeding.

eFiling is encouraged. More detailed information relating to filing requirements, interventions, protests, service, and qualifying facilities filings can be found at: *http://www.ferc.gov/docs-filing/efiling/filing-req.pdf.* For other information, call (866) 208–3676 (toll free). For TTY, call (202) 502–8659.

Dated: March 25, 2015.

Nathaniel J. Davis, Sr.,

Deputy Secretary.

[FR Doc. 2015–07304 Filed 3–30–15; 8:45 am]

BILLING CODE 6717–01–P

ENVIRONMENTAL PROTECTION AGENCY

[EPA–HQ–OW–2011–0439; EPA–HQ–OW–2011–0442; EPA–HQ–OW–2011–0443; FRL–9925–45–OW]

Proposed Information Collection Request; Comment Request; Disinfectants/Disinfection Byproducts, Chemical and Radionuclides Rules Renewal Information Collection Request; Microbial Rules Renewal Information Collection Request; Public Water System Supervision Program Renewal Information Collection Request

AGENCY: Environmental Protection Agency (EPA).

ACTION: Notice.

SUMMARY: The U.S. Environmental Protection Agency (EPA) will be submitting renewals of information collection requests (ICRs) to the Office of Management and Budget (OMB) for review and approval in accordance with the Paperwork Reduction Act (PRA; 44 U.S.C. 3501 *et seq.*). The ICRs included in this renewal notice are the Microbial Rules Renewal Information Collection Request, EPA ICR No. 1895.08, OMB Control No. 2040–0205, which expires on August 31, 2015; the Public Water System Supervision Program Renewal Information Collection Request, EPA ICR No. 0270.46, OMB Control No. 2040–0090, which expires on October 31, 2015; and the Disinfectants/Disinfection Byproducts, Chemical and Radionuclides Rules Renewal

Information Collection Request (ICR), EPA ICR No. 1896.10, OMB Control No. 2040–0204, which expires on December 31, 2015. EPA is soliciting public comments on specific aspects of the proposed information collections as described in this renewal notice. The Agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

DATES: Comments must be submitted on or before June 1, 2015.

ADDRESSES: Submit your comments, referencing the Docket ID numbers provided for each ICR listed in the **SUPPLEMENTARY INFORMATION** section, online using *www.regulations.gov* (our preferred method), by email to *OW-Docket@epa.gov* or by mail to: EPA Docket Center, Environmental Protection Agency, Mail Code 28221T, 1200 Pennsylvania Ave., NW., Washington, DC 20460.

EPA's policy is that all comments received will be included in the public docket without modifications including any personal information provided, unless the comment includes profanity, threats, information claimed to be Confidential Business Information (CBI) or other information whose disclosure is restricted by statute.

FOR FURTHER INFORMATION CONTACT: Kevin Roland, Drinking Water Protection Division, Office of Ground Water and Drinking Water, (4606M), Environmental Protection Agency, 1200 Pennsylvania Ave., NW., Washington, DC 20460; telephone number: 202–564–4588; fax number: 202–564–3755; email address: *roland.kevin@epa.gov.*

SUPPLEMENTARY INFORMATION: Supporting documents that explain in detail the information that the EPA will be collecting are available in the public dockets for these ICRs. The dockets can be viewed online at *www.regulations.gov* or in person at the EPA Docket Center, WJC West, Room 3334, 1301 Constitution Ave., NW., Washington, DC. The telephone number for the Docket Center is 202–566–1744. For additional information about EPA's public docket, visit *www.epa.gov/dockets.*

Pursuant to section 3506(c)(2)(A) of the PRA, the EPA is soliciting comments and information to enable it to: (i) Evaluate whether the proposed collection of information is necessary for the proper performance of the functions of the Agency, including whether the information will have practical utility; (ii) evaluate the accuracy of the Agency's estimate of the burden of the proposed collection of information, including the validity of the methodology and assumptions used; (iii) enhance the quality, utility and clarity of the information to be collected; and (iv) minimize the burden of the collection of information on those who are to respond, including through the use of appropriate automated electronic, mechanical, or other technological collection techniques or other forms of information technology, *e.g.,* permitting electronic submission of responses. EPA will consider the comments received and amend the ICRs as appropriate. The final ICR packages will then be submitted to OMB for review and approval. At that time, EPA will issue another **Federal Register** notice to announce the submission of the ICRs to OMB and the opportunity to submit additional comments to OMB.

EPA ICR No. 1895.08, OW–2011–0442 Microbial Rules Renewal Information Collection Request

Abstract: The Microbial Rules Renewal ICR examines public water system and primacy agency burden and costs for recordkeeping and reporting requirements in support of the microbial drinking water regulations. These recordkeeping and reporting requirements are mandatory for compliance per the *Code of Federal Regulations* (CFR) at 40 CFR parts 141 and 142. The following microbial regulations are included: the Surface Water Treatment Rule (SWTR), the Total Coliform Rule (TCR), the Revised Total Coliform Rule (RTCR), the Interim Enhanced Surface Water Treatment Rule (IESWTR), the Filter Backwash Recycling Rule (FBRR), the Long Term 1 Enhanced Surface Water Treatment Rule (LT1ESWTR), the Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR), the Ground Water Rule (GWR) and the Aircraft Drinking Water Rule (ADWR). Future microbial-related rulemakings will be added to this consolidated ICR after the regulations are promulgated and the initial, rule-specific, ICRs are due to expire.

Form Numbers: None.

Respondents/affected entities: Entities potentially affected by this action are new and existing public water systems and primacy agencies.

Respondent's obligation to respond: Mandatory for compliance with 40 CFR parts 141 and 142.

Estimated number of respondents: 153,083 (total).

Frequency of response: Varies by requirement (*i.e.,* on occasion, monthly, quarterly, semi-annually and annually).

Total estimated burden: 12,930,414 hours (per year). Burden is defined in 5 CFR 1320.03(b).

Total estimated cost: $590,507,000 (per year), includes $20,386,000 annualized capital and $115,808,000 operation and maintenance costs.

Changes in estimates: There is no estimated increase or decrease of hours in the total estimated respondent burden compared with that identified in the ICR currently approved by OMB.

EPA ICR No. 0270.46, OW–2011–0443 Public Water System Supervision Program Renewal Information Collection Request

Abstract: The Public Water System Supervision (PWSS) Program Renewal ICR examines public water system, primacy agency and tribal operator certification provider burden and costs for ''cross-cutting'' recordkeeping and reporting requirements (*i.e.,* the burden and costs for complying with drinking water information requirements that are not associated with contaminant-specific rulemakings). The following activities have recordkeeping and reporting requirements that are mandatory for compliance with 40 CFR parts 141 and 142: The Consumer Confidence Report Rule (CCR), the Variance and Exemption Rule (V/E Rule), General State Primacy Activities, the Public Notification Rule (PN) and Proficiency Testing Studies for Drinking Water Laboratories. The information collection activities for both the Operator Certification Program and the Capacity Development Program are driven by the grant withholding and reporting provisions under sections 1419 and 1420, respectively, of the Safe Drinking Water Act. Although the Tribal Operator Certification Program is voluntary, the information collection is driven by grant eligibility requirements outlined in the Drinking Water Infrastructure Grant Tribal Set-Aside Program Final Guidelines and the Tribal Drinking Water Operator Certification Program Guidelines.

Form numbers: None.

Respondents/affected entities: Entities potentially affected by this action are new and existing public water systems and primacy agencies.

Respondent's obligation to respond: Mandatory for compliance with 40 CFR parts 141 and 142.

Estimated number of respondents: 154,938 (total).

Frequency of response: Varies by requirement (*i.e.,* on occasion, monthly, quarterly, semi-annually and annually).

Total estimated burden: 4,113,408 hours (per year). Burden is defined in 5 CFR 1320.03(b).

Total estimated cost: $227,666,000. This includes an estimated burden cost

of $40,019,000 for maintenance and operational costs.

Changes in estimates: There is no estimated increase or decrease of hours in the total estimated respondent burden compared with that identified in the ICR currently approved by OMB.

EPA ICR No. 1896.10, OW–2011–0439 Disinfectants/Disinfection Byproducts, Chemical and Radionuclides Rules Information Collection Request

Abstract: The Disinfectants/Disinfection Byproducts, Chemical and Radionuclides Rules ICR examines public water system and primacy agency burden and costs for recordkeeping and reporting requirements in support of the chemical drinking water regulations. These recordkeeping and reporting requirements are mandatory for compliance with 40 CFR parts 141 and 142. The following chemical regulations are included: The Stage 1 Disinfectants and Disinfection Byproducts Rule (Stage 1 DBPR), the Stage 2 Disinfectants and Disinfection Byproducts Rule (Stage 2 DBPR), the Chemical Phase Rules (Phases II/IIB/V), the Radionuclides Rule, the Total Trihalomethanes (TTHM) Rule, Disinfectant Residual Monitoring and Associated Activities under the Surface Water Treatment Rule (SWTR), the Arsenic Rule, the Lead and Copper Rule (LCR) and the Lead and Copper Rule Short Term Revisions. Future chemical-related rulemakings will be added to this consolidated ICR after the regulations are promulgated and the initial, rule-specific, ICRs are due to expire.

Form numbers: None

Respondents/affected entities: Entities potentially affected by this action are new and existing public water systems and primacy agencies.

Respondent's obligation to respond: Mandatory for compliance with 40 CFR parts 141 and 142.

Estimated number of respondents: 153,036.

Frequency of response: Varies by requirement (*i.e.,* on occasion, monthly, quarterly, semi-annually, annually, biennially and every 3, 6 and 9 years).

Total estimated burden: 5,734,335 hours (per year). Burden is defined in 5 CFR 1320.03(b).

Total estimated cost: $435,706,000 (per year), includes $4,984,000 annualized capital and $225,068,000 operation and maintenance costs.

Changes in Estimates: There is no estimated increase or decrease of hours in the total estimated respondent burden compared with that identified in the ICR currently approved by OMB.

Dated: March 20, 2015.

Peter Grevatt,

Director, Office of Ground Water and Drinking Water.

[FR Doc. 2015–07357 Filed 3–30–15; 8:45 am]

BILLING CODE 6560–50–P

ENVIRONMENTAL PROTECTION AGENCY

[EPA–HQ–OW–2009–0090; FRL–9925–25–OW]

Proposed Information Collection Request; Comment Request; Information Collection Request Renewal for the Unregulated Contaminant Monitoring Rule (UCMR 3)

AGENCY: Environmental Protection Agency (EPA).

ACTION: Notice.

SUMMARY: The U.S. Environmental Protection Agency (EPA) will be submitting the ''Information Collection Request Renewal for the Unregulated Contaminant Monitoring Rule (UCMR 3)'' (EPA ICR No. 2192.06, OMB Control No. 2040–0270) to the Office of Management and Budget (OMB) for review and approval in accordance with the Paperwork Reduction Act (PRA; 44 U.S.C. 3501 *et seq.*). Before doing so, EPA solicits public comments on specific aspects of the proposed information collection as described in this renewal notice. This is a proposed extension of the information collection request (ICR), which is currently approved through August 31, 2015. An Agency may not conduct or sponsor and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number.

DATES: Comments must be submitted on or before June 1, 2015.

ADDRESSES: Submit your comments, referencing Docket ID No. EPA–HQ–OW–2009–0090, online using *www.regulations.gov* (our preferred method), by email to *OW-Docket@epa.gov* or by mail to: EPA Docket Center, Environmental Protection Agency, Mail Code 28221T, 1200 Pennsylvania Ave. NW., Washington, DC 20460.

EPA's policy is that all comments received will be included in the public docket without change including any personal information provided, unless the comment includes profanity, threats, information claimed to be Confidential Business Information (CBI) or other information whose disclosure is restricted by statute.

FOR FURTHER INFORMATION CONTACT: Brenda D. Parris, Technical Support Center, Office of Ground Water and Drinking Water, Environmental Protection Agency, 26 West Martin Luther King Drive (MS 140), Cincinnati, Ohio 45268; telephone (513) 569–7961 or email at *parris.brenda@epa.gov.*

SUPPLEMENTARY INFORMATION: Supporting documents that explain in detail the information that EPA will be collecting are available in the public docket for this ICR. The docket can be viewed online at *www.regulations.gov* or in person at the EPA Docket Center, WJC West, Room 3334, 1301 Constitution Ave. NW., Washington, DC. The telephone number for the Docket Center is 202–566–1744. For additional information about EPA's public docket, visit *www.epa.gov/dockets.*

Pursuant to section 3506(c)(2)(A) of the PRA, EPA requests comments and information to enable it to: (i) Evaluate whether the proposed collection of information is necessary for the proper performance of the functions of the Agency, including whether the information will have practical utility; (ii) evaluate the accuracy of the Agency's estimate of the burden of the proposed collection of information, including the validity of the methodology and assumptions used; (iii) enhance the quality, utility and clarity of the information to be collected; and (iv) minimize the burden of the collection of information on those who are to respond, including through the use of appropriate automated electronic, mechanical, or other technological collection techniques or other forms of information technology, *e.g.,* permitting electronic submission of responses. EPA will consider the comments received and amend the ICR as appropriate. The final ICR package will then be submitted to OMB for review and approval. EPA will issue another **Federal Register** notice to announce the submission of the ICR to OMB and the opportunity to submit additional comments to OMB.

Abstract: The Safe Drinking Water Act (SDWA), as amended in 1996, requires EPA to establish criteria for a program for public water systems (PWSs) to monitor not more than 30 unregulated contaminants every five years. Information collected under the program supports Agency decision making regarding whether or not to regulate particular contaminants in drinking water. EPA published the first group of contaminants in UCMR 1, in the **Federal Register** on September 17, 1999 (64 FR 50556), and the second

Appendix B

Stage 1 Disinfectants/Disinfection Byproducts Rule Spreadsheets

Exhibit 1a - Stage 1 DBPR PWS Burden and Cost Summary

Requirement	Avg. Annual Respondents	Avg. Annual Responses	Annual Burden	Annual Burden (Labor) Cost	Annual O&M Cost	Annual Capital Cost
TTHM/HAA5 Monitoring	48,951	179,997	269,996	$9,339,696	$50,898,363	N/A
TOC & Alkalinity Monitoring	2,773	104,102	78,076	$2,700,821	$5,703,266	N/A
Bromate Monitoring	279	4,322	2,161	$74,748	$617,652	N/A
Chlorine Dioxide Monitoring	801	316,307	52,718	$1,823,616	$9,041,222	N/A
Daily Chlorite Monitoring	647	300,563	0	$0	$0	N/A
Monthly Chlorite Monitoring	647	23,305	7,768	$268,726	$4,163,450	N/A
Residuals Monitoring	36,466	1,114,841	92,903	$3,213,714	$31,866,249	N/A
Total	**48,994**	**2,043,437**	**503,623**	**$17,421,322**	**$102,290,202**	**N/A**

Note: Respondent detail does not add to total because some respondents are subject to multiple activities.
[1] Burden and cost for daily chlorite monitoring is assumed to be a part of daily chloride dioxide burden and cost (chlorine dioxide and chlorite can be analyzed using the same method). Therefore, no additional burden or costs are incurred for this activity.

Exhibit 1b - Stage 1 DBPR Primacy Agency Burden and Cost Summary

Requirement	Annual Respondents	Avg. Annual Responses	Annual Burden	Annual Burden (Labor) Cost	Annual O&M Cost	Annual Capital Cost
Recordkeeping	57	48,994	148,906	$6,790,132	N/A	N/A
Total	**57**	**48,994**	**148,906**	**$6,790,132**	**N/A**	**N/A**

Exhibit 2 - Average Number of Routine Total Coliform Samples for Ground Water Systems (Used to Determine Number of Disinfectant Samples in Distribution System)

Ground Water

Population Range	Routine	Repeat	Additonal Routines next mo	CWSs		NTNCWSs		TNCWSs		Total PWSs	
				GW PWSs	Samples	GW PWSs	Samples*	GW PWSs	Samples*	GW PWSs	Samples
	A	B	C	D	E=D*A	F	G=F*A	H	I=H*A	J=D+F+H	K=E+G+I
≤500	1	4	4	24,615	24,615	14,532	4,796	76,570	25,268	115,718	54,679
501-1,000	1	4	4	4,320	4,320	1,539	508	2,040	673	7,899	5,501
1,001-2,500	2	3	3	4,504	9,008	695	1,390	493	986	5,692	11,384
2,501-3,300	3	3	2	1,062	3,186	91	273	46	137	1,199	3,596
3,301-4,100	4	3	1	728	2,912	38	152	23	92	789	3,156
4,101-4,900	5	3	0	499	2,495	10	50	9	45	518	2,590
4,901-5,800	6	3	0	412	2,472	12	72	15	90	439	2,634
5,801-6,700	7	3	0	334	2,338	9	63	5	35	348	2,436
6,701-7,600	8	3	0	235	1,880	7	56	8	64	250	2,000
7,601-8,500	9	3	0	238	2,142	6	54	3	27	247	2,223
8,501-10,000	10	3	0	278	2,780	10	100	6	60	294	2,940
10,001-12,900	10	3	0	351	3,510	2	20	3	30	356	3,560
12,901-17,200	15	3	0	328	4,920	2	30	3	45	333	4,995
17,201-21.500	20	3	0	182	3,640	0	0	2	40	184	3,680
21,501-25,000	25	3	0	128	3,200	0	0	1	25	129	3,225
25,001-33,000	30	3	0	167	5,010	2	60	1	30	170	5,100
33,001-41,000	40	3	0	113	4,520	2	80	0	0	115	4,600
41,001-50,000	50	3	0	75	3,750	1	50	0	0	76	3,800
50,001-59,000	60	3	0	58	3,480	0	0	1	60	59	3,540
59,001-70,000	70	3	0	38	2,660	0	0	1	70	39	2,730
70,001-83,000	80	3	0	33	2,640	0	0	0	0	33	2,640
83,001-96,000	90	3	0	17	1,530	0	0	0	0	17	1,530
96,001-130,000	100	3	0	27	2,700	0	0	0	0	27	2,700
130,001-220,000	120	3	0	26	3,120	0	0	0	0	26	3,120
220,001-320,000	150	3	0	7	1,050	0	0	0	0	7	1,050
320,001-450,000	180	3	0	2	360	0	0	0	0	2	360
450,001-600,000	210	3	0	1	210	0	0	0	0	1	210
600,001-780,000	240	3	0	4	960	0	0	0	0	4	960
780,001-970,000	270	3	0	0	0	0	0	0	0	0	0
970,001-1,230,000	300	3	0	1	300	0	0	0	0	1	300
1,230,001-1,520,000	330	3	0	0	0	0	0	0	0	0	0
1,520,001-1,850,000	360	3	0	0	0	0	0	0	0	0	0
1,850,001-2,270,000	390	3	0	1	390	0	0	0	0	1	390
2,270,001-3,020,000	420	3	0	0	0	0	0	0	0	0	0
3,020,001-3,960,000	450	3	0	0	0	0	0	0	0	0	0
Over 3,960,000	480	3	0	0	0	0	0	0	0	0	0
Total				38,784	106,098	16,958	7,753	79,230	27,778	134,972	141,629

* GW noncommunity water systems serving 1,000 or fewer monitor quarterly rather than monthly. Note that as a conservative assumption, no GW noncommunity water systems are assumed to be conducting annual routine monitoring.
Source: Based on TCR/RTCR sampling requirements.

Exhibit 3 - System Inventory and Numbers of Plants/Entry Points

Population Category	Systems (SW/GWUDI)			Systems (Groundwater)			% GW Systems Disinfecting			Systems (Disinfecting Groundwater)		
	CWS	NTNC	TNC	CWS	NTNC	TNC	CWS	NTNC	TNC	CWS	NTNC	TNC
	A	B	C	D	E	F	G	H	I	J=D*G	K=E*H	L=F*I
≤100	970	314	1,630	11,212	8,279	57,321	61%	43%	26%	6,881	3,566	15,092
101-500	2,092	283	506	13,403	6,254	19,250	73%	43%	26%	9,758	2,694	5,068
501-1,000	1,131	92	95	4,320	1,539	2,040	79%	43%	26%	3,424	663	537
1,001-3,300	2,497	88	52	5,566	786	539	93%	43%	26%	5,152	338	142
3,301-10,000	2,219	53	20	2,724	92	69	91%	43%	26%	2,490	40	18
10,001-50,000	1,986	6	2	1,344	9	10	93%	43%	26%	1,255	4	3
50,001-100,000	389	1	0	150	0	2	93%	43%	26%	140	0	1
100,001-1,000,000	343	1	0	63	0	0	94%	43%	26%	59	0	0
>1,000,000	20	0	1	2	0	0	94%	43%	26%	2	0	0
Total	**11,647**	**839**	**2,307**	**38,784**	**16,958**	**79,230**				**29,161**	**7,304**	**20,860**

Population Category	Plants Per System (SW/GWUDI)			Entry Points Per System (SW/GWUDI)			Plants Per System (Disinfecting Groundwater)			Entry Points Per System (Disinfecting Groundwater)		
	CWS	NTNC	TNC	CWS	NTNC	TNC	CWS	NTNC	TNC	CWS	NTNC	TNC
	M	N	O	P	Q	R	S	T	U	V	W	X
≤100	1.02	1.0	1.0	1.07	1.0	1.0	1.07	1.0	1.0	1.07	1.0	1.0
101-500	1.06	1.0	1.0	1.12	1.0	1.0	1.18	1.0	1.0	1.18	1.0	1.0
501-1,000	1.03	1.0	1.0	1.32	1.0	1.0	1.52	1.0	1.0	1.52	1.0	1.0
1,001-3,300	1.00	1.0	1.0	1.26	1.0	1.0	1.80	1.0	1.0	1.80	1.0	1.0
3,301-10,000	1.07	1.0	1.0	1.20	1.0	1.0	2.11	1.0	1.0	2.11	1.0	1.0
10,001-50,000	1.08	1.0	1.0	1.41	1.0	1.0	3.50	1.0	1.0	3.50	1.0	1.0
50,001-100,000	1.35	1.0	1.0	1.98	1.0	1.0	6.83	1.0	1.0	6.83	1.0	1.0
100,001-1,000,000	1.69	1.0	1.0	3.13	1.0	1.0	12.34	1.0	1.0	12.34	1.0	1.0
>1,000,000	1.69	1.0	1.0	3.13	1.0	1.0	12.34	1.0	1.0	12.34	1.0	1.0

Population Category	Total Plants (SW/GWUDI)			Total Entry Points (SW/GWUDI)			Total Plants (Disinfecting Groundwater)			Total Entry Points (Disinfecting Groundwater)		
	CWS	NTNC	TNC	CWS	NTNC	TNC	CWS	NTNC	TNC	CWS	NTNC	TNC
	Y=A*M	Z=B*N	AA=C*O	AB=A*P	AC=B*X	AD=C*R	AE=J*S	AF=K*T	AG=L*U	AH=J*V	AI=K*W	AJ=L*X
≤100	985	314	1,630	1,042	314	1,630	7,369	3,566	15,092	7,369	3,566	15,092
101-500	2,208	283	506	2,347	283	506	11,529	2,694	5,068	11,529	2,694	5,068
501-1,000	1,165	92	95	1,494	92	95	5,207	663	537	5,207	663	537
1,001-3,300	2,497	88	52	3,157	88	52	9,254	338	142	9,254	338	142
3,301-10,000	2,372	53	20	2,660	53	20	5,260	40	18	5,260	40	18
10,001-50,000	2,147	6	2	2,804	6	2	4,389	4	3	4,389	4	3
50,001-100,000	525	1	0	771	1	0	955	0	1	955	0	1
100,001-1,000,000	578	1	0	1,074	1	0	729	0	0	729	0	0
>1,000,000	34	0	1	63	0	1	23	0	0	23	0	0
Total	**12,511**	**839**	**2,307**	**15,411**	**839**	**2,307**	**44,717**	**7,304**	**20,860**	**44,717**	**7,304**	**20,860**

Sources: Baseline number of systems from SDWIS/FED Data from October 2014. The percent of ground water CWSs that disinfect is from the 2006 Community Water Systems Survey. The percentages represent the number of ground water systems that disinfect at least one entry point. The percent of non-community ground water systems disinfecting is from SDWIS/FED Data from October 2014.

Note: Source was not specified in SDWIS for some systems. These PWSs were assigned to SW or GW categories based on the ratio of SW to GW systems within a given size category.

Entry pts for CWSs: Based on analysis of data from the 2006 Community Water System Survey. Includes treated entry points. Plants per system for SW/GWUDI systems include only treated SW entry points.

Exhibit 4 - Derivation of Filtered System Inventory (for Systems Monitoring TOC and Alkalinity)

Population Category	All Surface Water and GWUDI			Non-Purchased Surface Water/GWUDI			Unfiltered Surface Water and GWUDI			Filtered Surface Water and GWUDI		
	CWS	NTNC	TNC	CWS	NTNC	TNC	CWS	NTNC	TNC	CWS	NTNC	TNC
	A	B	C	D	E	F	G	H	I	J=D-G	K=E-H	L=F-I
≤100	970	314	1,630	436	122	611	3	1	3	433	121	608
101-500	2,092	283	506	620	145	356	7	0	0	613	145	356
501-1,000	1,131	92	95	323	51	68	4	0	0	319	51	68
1,001-3,300	2,497	88	52	927	32	42	6	1	0	921	31	42
3,301-10,000	2,219	53	20	979	15	17	4	1	0	975	14	17
10,001-50,000	1,986	6	2	987	0	0	6	0	0	981	0	0
50,001-100,000	389	1	0	221	0	0	2	0	0	219	0	0
100,001-1,000,000	343	1	0	245	0	0	1	0	0	244	0	0
>1,000,000	20	0	1	18	0	0	1	0	0	17	0	0
Total	**11,647**	**839**	**2,307**	**4,756**	**365**	**1,094**	**34**	**3**	**3**	**4,722**	**362**	**1,091**

Population Category	Plants Per System (SW/GWUDI)			Total Filtered Plants (SW/GWUDI)			Percentage of Filtered Plants Using Conventional Filtration			Total Filtered Plants Using Conventional Filtration		
	CWS	NTNC	TNC	CWS	NTNC	TNC	CWS	NTNC	TNC	CWS	NTNC	TNC
	M	N	O	P=J*M	Q=K*N	R=L*O	S	T	U	V=P*S	W=Q*T	X=R*U
≤100	1.0	1.0	1.0	440	121	608	13.9%	13.9%	13.9%	61	17	84
101-500	1.1	1.0	1.0	647	145	356	36.3%	36.3%	36.3%	235	53	129
501-1,000	1.0	1.0	1.0	329	51	68	18.8%	18.8%	18.8%	62	10	13
1,001-3,300	1.0	1.0	1.0	921	31	42	56.5%	56.5%	56.5%	520	18	24
3,301-10,000	1.1	1.0	1.0	1,042	14	17	70.1%	70.1%	70.1%	731	10	12
10,001-50,000	1.1	1.0	1.0	1,060	0	0	76.0%	76.0%	76.0%	806	0	0
50,001-100,000	1.3	1.0	1.0	295	0	0	72.0%	72.0%	72.0%	213	0	0
100,001-1,000,000	1.7	1.0	1.0	411	0	0	82.7%	82.7%	82.7%	340	0	0
>1,000,000	1.7	1.0	1.0	29	0	0	82.7%	82.7%	82.7%	24	0	0
Total				**5,174**	**362**	**1,091**				**2,992**	**106**	**262**

[A] - [F] Number of systems from SDWIS/FED Data from October 2014.

[G]-[I] Number of unfiltered systems from SDWIS/FED October 2014.

[M] 2006 Community Water System Survey. Includes treated entry points.

[N], [O] Assumed to be 1.0.

[S] - [U] Percentages of systems using conventional filtration from analysis of 2006 CWSS data; percentages applied to noncommunity systems since no noncommunity percentages are available.

Exhibit 5 - TTHM/HAA5 Monitoring Burden and Costs
(Paired TTHM/HAA5 Samples)

PWSs - SW/GWUDI

Population Category	Hourly Labor Rate	Number of Plants		Applicability (Is Monitoring Required?)			Annual Samples Required Per Plant	Total Samples Required Per Plant	Total Sampling Burden Per Plant	O&M (Analytical) Cost Per Sample	Total O&M (Analytical) Cost Per Plant	Total Burden Hours	Average Annual Burden Hours	Average Annual Labor Cost	Total O&M Cost	Average Annual O&M Cost
									(1.5 hr/sample)							
	A	B	C	D	E	F	G	H	I	J	K=H*J	L=I*(B+C)	M=L/3	N=M*A	O=(B+C)*K	P=O/3
<500	$34.59	3,389	598	Yes	Yes	Yes	1	3	5	$304	$912	17,940	5,980	$206,855	$3,634,037	$1,211,346
501-3,300	$34.59	4,651	180	Yes	Yes	Yes	4	12	18	$304	$3,646	86,951	28,984	$1,002,603	$17,613,777	$5,871,259
3,301-10,000	$34.59	2,660	53	Yes	Yes	Yes	4	12	18	$304	$3,646	48,829	16,276	$563,036	$9,891,435	$3,297,145
10,001-50,000	$34.59	2,804	6	Yes	Yes	Yes	16	48	72	$266	$12,762	202,349	67,450	$2,333,222	$35,866,389	$11,955,463
>50,000	$34.59	1,907	2	Yes	Yes	Yes	16	48	72	$266	$12,762	137,471	45,824	$1,585,131	$24,366,706	$8,122,235
Total		**15,411**	**839**									**493,540**	**164,513**	**$5,690,847**	**91,372,344**	**30,457,448**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Source: Samples per plant carried forward from the 1998 Stage 1 DBPR RIA and ICR.

[B], [C] from "System Inventory and Number of Plants/Entry Points" (Exhibit 3) and includes both surface water and ground water treated entry points.

[J] Sampling cost includes analysis of both TTHM and HAA5. Laboratory cost is from the original Stage 2 DBPR ICR, inflated to 2013$. Shipping costs vary for small and large systems. Only $14 shipping is added for large systems as many large systems have in-house capacity and will not have to ship. $58 is added for small systems because of higher shipping charges and fewer samples (no bulk discounts) and because fewer small systems have in-house labs.

PWSs - Groundwater

Population Category	Hourly Labor Rate	Number of Plants		Applicability (Is Monitoring Required?)			Annual Samples Required Per Plant	Total Samples Required Per Plant	Total Sampling Burden Per Plant	O&M (Analytical) Cost Per Sample	Total O&M (Analytical) Cost Per Plant	Total Burden Hours	Average Annual Burden Hours	Average Annual Labor Cost	Total O&M Cost	Average Annual O&M Cost
									(1.5 hr/sample)							
	Q	R	S	T	U	V	W	X	Y	Z	AA=X*Z	AB=Y(R+S)	AC=AB/3	AD=AC*Q	AE=(R+S)*AA	AF=AE/3
<500	$34.59	18,899	6,259	Yes	Yes	Yes	1	3	5	$304	$912	113,210	37,737	$1,305,383	$22,933,037	$7,644,346
501-3,300	$34.59	14,462	1,001	Yes	Yes	Yes	1	3	5	$304	$912	69,583	23,194	$802,337	$14,095,497	$4,698,499
3,301-10,000	$34.59	5,260	40	Yes	Yes	Yes	1	3	5	$304	$912	23,850	7,950	$275,006	$4,831,323	$1,610,441
10,001-50,000	$34.59	4,389	4	Yes	Yes	Yes	4	12	18	$266	$3,190	79,073	26,358	$911,761	$14,015,629	$4,671,876
>50,000	$34.59	1,707	0	Yes	Yes	Yes	4	12	18	$266	$3,190	30,732	10,244	$354,361	$5,447,260	$1,815,753
Total		**44,717**	**7,304**									**316,447**	**105,482**	**$3,648,849**	**61,322,745**	**20,440,915**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Source: Samples per plant carried forward from the 1998 Stage 1 DBPR RIA and ICR.

[R], [S] from "System Inventory and Number of Plants/Entry Points" (Exhibit 3) and includes treated ground water entry points.

[Z] Sampling cost includes analysis of both TTHM and HAA5. Laboratory cost is from Stage 2 DBPR ICR, inflated to 2013$. Only $14 shipping is added for large systems as many large systems have in-house capacity and will not have to ship. $58 is added for small systems because of higher shipping charges and fewer samples (no bulk discounts) and because fewer small systems have in-house labs.

Exhibit 6 - Disinfection Byproduct Precursor Monitoring Burden and Costs
(Paired TOC and Alkalinity Samples)

TOC Samples

Population Category	Hourly Labor Rate	Number of Plants		Number of Plants (Reduced Monitoring)		Applicability (Is Monitoring Required?)			Annual Samples Required Per Plant	Annual Samples for Reduced Monitoring	Total Samples Required Per Plant	Total Samples Required Per Plant (Reduced)	Total Sampling Burden Per Plant	Total Sampling Burden Per Plant (Reduced)	O&M (Analytical) Cost Per Sample	Total O&M (Analytical) Cost Per Plant	Total O&M (Analytical) Cost Per Plant (Reduced)	Total Burden Hours	Average Annual Burden Hours	Average Annual Labor Cost	Total O&M Cost	Average Annual O&M Cost
		CWS	NTNC	CWS	NTNC	Year 1	Year 2	Year 3	(2 per month)	(2 per quarter)			(0.75 hr per sample)	(0.75 hr per sample)								
				(10% reduced after yr. 1)																		
	A	B	C	D=B*0.1	E=C*0.1				F	G	H	I	J=H*0.75	K=I*0.75	L	M=H*L	N=I*L	O	P=O/3	Q=P*A	R	S=R/3
<500	$34.59	296	69	30	7	Yes	Yes	Yes	24	8	72	24	54	18	$79	$5,660	$1,887	18,425	6,142	$212,458	$1,931,117	$643,706
501-3,300	$34.59	582	27	58	3	Yes	Yes	Yes	24	8	72	24	54	18	$79	$5,660	$1,887	30,714	10,238	$354,156	$3,219,066	$1,073,022
3,301-10,000	$34.59	731	10	73	1	Yes	Yes	Yes	24	8	72	24	54	18	$79	$5,660	$1,887	37,332	12,444	$430,463	$3,912,650	$1,304,217
10,001-50,000	$34.59	806	0	81	0	Yes	Yes	Yes	24	8	72	24	54	18	$79	$5,660	$1,887	40,634	13,545	$468,535	$4,258,704	$1,419,568
>50,000	$34.59	576	0	58	0	Yes	Yes	Yes	24	8	72	24	54	18	$79	$5,660	$1,887	29,047	9,682	$334,935	$3,044,356	$1,014,785
Total		**2,992**	**106**	**299**	**11**													**156,153**	**52,051**	**$1,800,547**	**$16,365,895**	**$5,455,298**

Notes:
1) Burden estimates take into account the results of the May 2015 consultation with water industry representatives.
2) TOC and alkalinity samples applicable to Subpart H (SW and GWUDI) systems using conventional filtration only.
Source: Numbers of samples, applicability, and costs carried forward from the 1998 Stage 1 DBPR RIA and ICR. Sample costs inflated to 2013$.
[F], [G] The two samples are comprised of one sample at the plant and one sample in source water.
[O], [R] Assumes 90 percent of plants will conduct routine monitoring and 10 percent will conduct reduced monitoring.

Alkalinity Samples

Population Category	Hourly Labor Rate	Number of Plants		Number of Plants (Reduced Monitoring)		Applicability (Is Monitoring Required?)			Annual Samples Required Per Plant	Reduced Monitoring	Total Samples Required Per Plant	Total Samples Required Per Plant (Reduced)	Total Sampling Burden Per Plant	Total Sampling Burden Per Plant (Reduced)	O&M (Analytical) Cost Per Sample	Total O&M (Analytical) Cost Per Plant	Total O&M (Analytical) Cost Per Plant (Reduced)	Total Burden Hours	Average Annual Burden Hours	Average Annual Labor Cost	Total O&M Cost	Average Annual O&M Cost
		CWS	NTNC	CWS	NTNC	Year 1	Year 2	Year 3	(1 per month)	(1 per quarter)			(0.75 hr per sample)	(0.75 hr per sample)								
				(10% reduced after yr. 1)																		
	T	U	V	W=U*0.1	X=V*0.1				Y	Z	AA	AB	AC=AA*0.75	AD=AB*0.75	AE	AF=AA*AE	AG=AB*AE	AH	AI=AH/3	AJ=AI*T	AK	AL=AK/3
<500	$34.59	296	69	30	7	Yes	Yes	Yes	12	4	36	12	27	9	$7	$257	$86	9,213	3,071	$106,229	$87,778	$29,259
501-3,300	$34.59	582	27	58	3	Yes	Yes	Yes	12	4	36	12	27	9	$7	$257	$86	15,357	5,119	$177,078	$146,321	$48,774
3,301-10,000	$34.59	731	10	73	1	Yes	Yes	Yes	12	4	36	12	27	9	$7	$257	$86	18,666	6,222	$215,232	$177,848	$59,283
10,001-50,000	$34.59	806	0	81	0	Yes	Yes	Yes	12	4	36	12	27	9	$7	$257	$86	20,317	6,772	$234,268	$193,577	$64,526
>50,000	$34.59	576	0	58	0	Yes	Yes	Yes	12	4	36	12	27	9	$7	$257	$86	14,524	4,841	$167,467	$138,380	$46,127
Total		**2,992**	**106**	**299**	**11**													**78,076**	**26,025**	**$900,274**	**$743,904**	**$247,968**

Notes:
1) Burden estimates take into account the results of the May 2015 consultation with water industry representatives.
2) TOC and alkalinity samples applicable to Subpart H (SW and GWUDI) systems using conventional filtration only.
Source: Numbers of samples, applicability, and costs carried forward from the 1998 Stage 1 DBPR RIA and ICR. Sample costs inflated to 2013$.
[AH], [AK] Assumes 90 percent of plants will conduct routine monitoring and 10 percent will conduct reduced monitoring.
[Y], [Z] Includes one sample in source water at the same time that paired TOC samples are taken.

Exhibit 7 - Bromate Monitoring Burden and Costs

PWSs - SW/GWUDI

Population Category	Hourly Labor Rate	Number of Plants		Percent of Plants Using Ozone	Number of Affected Plants	Applicability (Is Monitoring Required?)			Annual Samples Required Per Plant	Total Samples Required Per Plant	Total Sampling Burden Per Plant	O&M (Analytical) Cost Per Sample	Total O&M (Analytical) Cost Per Plant	Total Burden Hours	Average Annual Burden Hours	Average Annual Labor Cost	Total O&M Cost	Average Annual O&M Cost
									(1 per month)		(30 min. per sample)							
	A	B	C	D	E=(B+C)*D	F	G	H	I	J=I*3	K=J*0.5	L	M=J*L	N=K*E	O=N/3	P=O*A	Q=E*M	R=Q/3
101-1,000	$34.59	3,373	375	2.3%	88	Yes	Yes	Yes	12	36	18	$143	$5,145	1,576	525	$18,173	$450,484	$150,161
1,001-10,000	$34.59	4,869	141	0.7%	38	Yes	Yes	Yes	12	36	18	$143	$5,145	676	225	$7,792	$193,168	$64,389
10,001-100,000	$34.59	2,671	7	3.9%	104	Yes	Yes	Yes	12	36	18	$143	$5,145	1,875	625	$21,623	$536,027	$178,676
>100,000	$34.59	612	1	15.4%	94	Yes	Yes	Yes	12	36	18	$143	$5,145	1,700	567	$19,606	$486,029	$162,010
Total		**11,525**	**524**		**324**									**5,827**	**1,942**	**$67,195**	**$1,665,709**	**$555,236**

Note: Bromate is a byproduct of ozone disinfection. Surface water systems serving ≤100 people are not expected to use ozone (therefore no bromate sampling requirements).
Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Source: The percentage of plants using ozone is from the 2006 Community Water Systems Survey. For surface water, only treated surface water entry points are considered plants. Numbers of samples, applicability, burden, and costs carried forward from the 1998 Stage 1 DBPR RIA and ICR. Sample costs inflated to 2013$.

PWSs - Groundwater

Population Category	Hourly Labor Rate	Number of Plants		Percent of Plants Using Ozone	Number of Affected Plants	Applicability (Is Monitoring Required?)			Annual Samples Required Per Plant	Total Samples Required Per Plant	Total Sampling Burden Per Plant	O&M (Analytical) Cost Per Sample	Total O&M (Analytical) Cost Per Plant	Total Burden Hours	Average Annual Burden Hours	Average Annual Labor Cost	Total O&M Cost	Average Annual O&M Cost
	A	B	C	D	E=(B+C)*D	F	G	H	I	J=I*3	K=J*0.5	L	M=J*L	N=K*E	O=N/3	P=O*A	Q=E*M	R=Q/3
101-1,000	$34.59	16,737	3,356	0.0%	0	Yes	Yes	Yes	12	36	18	$143	$5,145	0	0	$0	$0	$0
1,001-10,000	$34.59	14,514	378	0.0%	0	Yes	Yes	Yes	12	36	18	$143	$5,145	0	0	$0	$0	$0
10,001-100,000	$34.59	5,344	4	0.6%	34	Yes	Yes	Yes	12	36	18	$143	$5,145	619	206	$7,136	$176,896	$58,965
>100,000	$34.59	753	0	0.3%	2	Yes	Yes	Yes	12	36	18	$143	$5,145	36	12	$418	$10,351	$3,450
Total		**37,347**	**3,738**		**36**									**655**	**218**	**$7,554**	**$187,247**	**$62,416**

Burden estimates take into account the results of the May 2015 consultation with water industry representatives.
Groundwater systems serving ≤100 people are not expected to use ozone (therefore no bromate sampling requirements).
Source: The percentage of plants using ozone is from the 2006 Community Water Systems Survey. For ground water, only treated ground water entry points are considered plants. Numbers of samples, applicability, burden, and costs carried forward from the 1998 Stage 1 DBPR RIA and ICR. Sample costs inflated to 2013$.

Exhibit 8 - Chlorine Dioxide Monitoring Burden and Costs

PWSs - SW/GWUDI

Population Category	Hourly Labor Rate	Number of Entry Points			Percent Chlorine Dioxide	Number of Affected Entry Points	Applicability (Is Monitoring Required?)			Annual Samples Required Per Plant	Total Samples Required Per Plant	Total Sampling Burden Per Plant (hrs)	O&M (Analytical) Cost Per Sample	Total O&M (Analytical) Cost Per Plant	Total Burden Hours	Average Annual Burden Hours	Average Annual Labor Cost	Total O&M Cost	Average Annual O&M Cost
		CWS	NTNC	TNC		All PWSs	Year 1	Year 2	Year 3	(1 per day)		(10 min. per sample)							
	A	B	C	D	E	F=(B+C+D)*E	G	H	I	J	K	L=K*10/60	M	N=K*M	O=L*F	P=O/3	Q=P*A	R=F*N	S=R/3
101-1,000	$34.59	3,840	375	601	0.0%	0	Yes	Yes	Yes	365	1,095	183	$29	$31,299	0	0	$0	$0	$0
1,001-10,000	$34.59	5,816	141	72	4.8%	289	Yes	Yes	Yes	365	1,095	183	$29	$31,299	52,694	17,565	$607,593	$9,037,075	$3,012,358
10,001-100,000	$34.59	3,575	7	2	7.3%	263	Yes	Yes	Yes	365	1,095	183	$29	$31,299	48,012	16,004	$553,609	$8,234,131	$2,744,710
>100,000	$34.59	1,136	1	1	5.7%	64	Yes	Yes	Yes	365	1,095	183	$29	$31,299	11,746	3,915	$135,445	$2,014,544	$671,515
Total		**14,369**	**524**	**676**		**616**									**112,452**	**37,484**	**$1,296,646**	**$19,285,750**	**$6,428,583**

Note: Surface water systems serving ≤100 people are not expected to use chlorine dioxide (therefore no sampling requirements).
Burden estimates take into account the results of the May 2015 consultation with water industry representatives.
Source: The number of entry points is from Exhibit 3 and includes both surface water and ground water treated entry points. The percentage of entry points (both surface and ground) in surface water systems using chlorine dioxide is from the 2006 Community Water Systems Survey. Numbers of samples, applicability, burden, and costs carried forward from the 1998 Stage 1 DBPR RIA and ICR. Sample costs inflated to 2013$.

PWSs - Groundwater

Population Category	Hourly Labor Rate	Number of Entry Points			Percent Chlorine Dioxide	Number of Affected Entry Points	Applicability (Is Monitoring Required?)			Annual Samples Required Per Plant	Total Samples Required Per Plant	Total Sampling Burden Per Plant	O&M (Analytical) Cost Per Sample	Total O&M (Analytical) Cost Per Plant	Total Burden Hours	Average Annual Burden Hours	Average Annual Labor Cost	Total O&M Cost	Average Annual O&M Cost
		CWS	NTNC	TNC		All PWSs	Year 1	Year 2	Year 3	(1 per day)		(10 min. per sample)							
	A	B	C	D	E	F=(B+C+D)*E	G	H	I	J	K	L=K*10/60	M	N=K*M	O=L*F	P=O/3	Q=P*A	R=F*N	S=R/3
101-1,000	$34.59	16,737	3,356	5,605	0.7%	178	Yes	Yes	Yes	365	1,095	183	$29	$31,299	32,419	10,806	$373,816	$5,559,972	$1,853,324
1,001-10,000	$34.59	14,514	378	160	0.5%	69	Yes	Yes	Yes	365	1,095	183	$29	$31,299	12,542	4,181	$144,616	$2,150,962	$716,987
10,001-100,000	$34.59	5,344	4	3	0.1%	4	Yes	Yes	Yes	365	1,095	183	$29	$31,299	740	247	$8,537	$126,982	$42,327
>100,000	$34.59	753	0	0	0.0%	0	Yes	Yes	Yes	365	1,095	183	$29	$31,299	0	0	$0	$0	$0
Total		**37,347**	**3,738**	**5,769**		**250**									**45,702**	**15,234**	**$526,970**	**$7,837,916**	**$2,612,639**

Note: Groundwater systems serving ≤100 people are not expected to use chlorine dioxide (therefore no sampling requirements). The number of affected entry points is most likely an overestimate, because the percent of systems using chlorine dioxide is based on data for CWSs, and NTNCWSs and TNCWSs may be less likely to use chlorine dioxide.
Burden estimates take into account the results of the May 2015 consultation with water industry representatives.
Source: The number of entry points is from Exhibit 3 and includes ground water treated entry points. The percentage of entry points using chlorine dioxide is from the 2006 Community Water Systems Survey and is the percentage of treated entry points in ground water systems using chlorine dioxide. Numbers of samples, applicability, burden, and costs carried forward from the 1998 Stage 1 DBPR RIA and ICR. Sample costs inflated to 2013$.

Exhibit 9 - Daily Chlorite Monitoring Burden and Costs

PWSs - SW/GWUDI

Population Category	Hourly Labor Rate	Number of Entry Points		Percent Chlorine Dioxide	Number of Affected Entry Points	Applicability (Is Monitoring Required?)			Annual Samples Required Per Plant	Total Samples Required Per Plant	Total Sampling Burden Per Plant (hrs)	O&M (Analytical) Cost Per Sample	Total O&M (Analytical) Cost Per Plant	Total Burden Hours	Average Annual Burden Hours	Average Annual Labor Cost	Total O&M Cost	Average Annual O&M Cost
		CWS	NTNC		All PWSs	Year 1	Year 2	Year 3	(1 per day)		(part of ClO2 daily)							
	A	B	C	D	E=(B+C)*D	F	G	H	I	J	K	L	M=J*L	N=K*E	O=N/3	P=O*A	Q=E*M	R=Q/3
101-1,000	$34.59	3,840	375	0.0%	0	Yes	Yes	Yes	365	1,095	0	$0	$0	0	0	$0	$0	$0
1,001-10,000	$34.59	5,816	141	4.8%	285	Yes	Yes	Yes	365	1,095	0	$0	$0	0	0	$0	$0	$0
10,001-100,000	$34.59	3,575	7	7.3%	263	Yes	Yes	Yes	365	1,095	0	$0	$0	0	0	$0	$0	$0
>100,000	$34.59	1,136	1	5.7%	64	Yes	Yes	Yes	365	1,095	0	$0	$0	0	0	$0	$0	$0
Total		**14,369**	**524**		**613**									**0**	**0**	**$0**	**$0**	**$0**

Notes:

1) Chlorite is a byproduct of chlorine dioxide use. Surface water systems serving <100 people are not expected to use chlorine dioxide (therefore no chlorite sampling requirements). TNCWSs that use chlorine dioxide are not required to monitor for chlorite.
2) Burden and cost for daily chlorite monitoring is assumed to be a part of daily chloride dioxide burden and cost--chlorine dioxide and chlorite can be analyzed using the same method (SM 4500--ClO2 E).
3) Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Source: The number of entry points is from Exhibit 3 and includes both surface water and ground water treated entry points. The percentage of entry points (both surface and ground) in surface water systems using chlorine dioxide is from the 2006 Community Water Systems Survey. Numbers of samples, applicability, burden, and costs carried forward from the 1998 Stage 1 DBPR RIA and ICR. Sample costs inflated to 2013$.

PWSs - Groundwater

Population Category	Hourly Labor Rate	Number of Entry Points		Percent Chlorine Dioxide	Number of Affected Entry Points	Applicability (Is Monitoring Required?)			Annual Samples Required Per Plant	Total Samples Required Per Plant	Total Sampling Burden Per Plant	O&M (Analytical) Cost Per Sample	Total O&M (Analytical) Cost Per Plant	Total Burden Hours	Average Annual Burden Hours	Average Annual Labor Cost	Total O&M Cost	Average Annual O&M Cost
		CWS	NTNC		All PWSs	Year 1	Year 2	Year 3	(1 per day)		(part of ClO2 daily)							
	A	B	C	D	E=(B+C)*D	F	G	H	I	J	K	L	M=J*L	N=K*E	O=N/3	P=O*A	Q=E*M	R=Q/3
101-1,000	$34.59	16,737	3,356	0.7%	139	Yes	Yes	Yes	365	1,095	0	$0	$0	0	0	$0	$0	$0
1,001-10,000	$34.59	14,514	378	0.5%	68	Yes	Yes	Yes	365	1,095	0	$0	$0	0	0	$0	$0	$0
10,001-100,000	$34.59	5,344	4	0.1%	4	Yes	Yes	Yes	365	1,095	0	$0	$0	0	0	$0	$0	$0
>100,000	$34.59	753	0	0.0%	0	Yes	Yes	Yes	365	1,095	0	$0	$0	0	0	$0	$0	$0
Total		**37,347**	**3,738**		**211**									**0**	**0**	**$0**	**$0**	**$0**

Notes:

1) Groundwater systems ≤100 are not expected to use chlorine dioxide (therefore no chlorite sampling requirements). Groundwater TNCWSs are not required to monitor for chlorite.
2) Burden and cost for daily chlorite monitoring is assumed to be a part of daily chloride dioxide burden and cost--chlorine dioxide and chlorite can be analyzed using the same method (SM 4500--ClO2 E).
3) Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Source: The number of entry points is from Exhibit 3 and includes ground water treated entry points. The percentage of entry points using chlorine dioxide is from the 2006 Community Water Systems Survey and is the percentage of treated entry points in ground water systems using chlorine dioxide. Numbers of samples, applicability, burden, and costs carried forward from the 1998 Stage 1 DBPR RIA and ICR. Sample costs inflated 2013$.

Exhibit 10 - Monthly Chlorite Monitoring Burden and Costs

PWSs - SW/GWUDI

Population Category	Hourly Labor Rate	Number of Systems		Percent Chlorine Dioxide	Number of Affected Systems	Applicability (Is Monitoring Required?)			Annual Samples Required Per System	Total Samples Required Per System	Total Sampling Burden Per System (hrs)	O&M (Analytical) Cost Per Sample	Total O&M (Analytical) Cost Per System	Total Burden Hours	Average Annual Burden Hours	Average Annual Labor Cost	Total O&M Cost	Average Annual O&M Cost
		CWS	NTNC		All PWSs	Year 1	Year 2	Year 3	(3 per month)		(20 min. per sample)							
	A	B	C	D	E=(B+C)*D	F	G	H	I	J	K	L	M=J*L	N=K*E	O=N/3	P=O*A	Q=E*M	R=Q/3
101-1,000	$34.59	3,223	375	0.0%	0	Yes	Yes	Yes	36	108	36	$179	$19,294	0	0	$0	$0	$0
1,001-10,000	$34.59	4,716	141	4.8%	233	Yes	Yes	Yes	36	108	36	$179	$19,294	8,373	2,791	$96,546	$4,487,467	$1,495,822
10,001-100,000	$34.59	2,375	7	7.3%	175	Yes	Yes	Yes	36	108	36	$179	$19,294	6,294	2,098	$72,573	$3,373,199	$1,124,400
>100,000	$34.59	363	1	5.7%	21	Yes	Yes	Yes	36	108	36	$179	$19,294	741	247	$8,543	$397,075	$132,358
Total		**10,677**	**524**		**428**									**15,408**	**5,136**	**$177,663**	**$8,257,741**	**$2,752,580**

Notes:

1) Surface water systems serving <100 people are not expected to use chlorine dioxide (therefore no chlorite sampling requirements). TNCWSs that use chlorine dioxide are not required to monitor for chlorite.

2) Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

3) Monthly chlorite monitoring is performed at 3 sites in the distribution system (daily monitoring is required at each entry point). Monthly monitoring requires use of a different analytical method (EPA 300.0 or 300.1) than is used for daily monitoring.

Source: Percentage of entry points using chlorine dioxide used as proxy for percentage of systems using chlorine dioxide. The percentage of entry points (both surface and ground) in surface water systems using chlorine dioxide is from the 2006 Community Water Systems Survey. Numbers of samples, applicability, burden, and costs carried forward from the 1998 Stage 1 DBPR RIA and ICR. Sample costs inflated to 2013$.

PWSs - Groundwater

Population Category	Hourly Labor Rate	Number of Systems		Percent Chlorine Dioxide	Number of Affected Systems	Applicability (Is Monitoring Required?)			Annual Samples Required Per System	Total Samples Required Per System	Total Sampling Burden Per System (hrs)	O&M (Analytical) Cost Per Sample	Total O&M (Analytical) Cost Per System	Total Burden Hours	Average Annual Burden Hours	Average Annual Labor Cost	Total O&M Cost	Average Annual O&M Cost
		CWS	NTNC		All PWSs	Year 1	Year 2	Year 3	(3 per month)		(20 min. per sample)							
	A	B	C	D	E=(B+C)*D	F	G	H	I	J	K	L	M=J*L	N=K*E	O=N/3	P=O*A	Q=E*M	R=Q/3
101-1,000	$34.59	17,723	7,793	0.7%	176	Yes	Yes	Yes	36	108	36	$179	$19,294	6,350	2,117	$73,216	$3,403,053	$1,134,351
1,001-10,000	$34.59	8,290	878	0.5%	42	Yes	Yes	Yes	36	108	36	$179	$19,294	1,507	502	$17,375	$807,570	$269,190
10,001-100,000	$34.59	1,494	9	0.1%	1	Yes	Yes	Yes	36	108	36	$179	$19,294	41	14	$473	$21,987	$7,329
>100,000	$34.59	65	0	0.0%	0	Yes	Yes	Yes	36	108	36	$179	$19,294	0	0	$0	$0	$0
Total		**27,572**	**8,680**		**219**									**7,897**	**2,632**	**$91,063**	**$4,232,610**	**$1,410,870**

Notes:

1) Groundwater systems ≤100 are not expected to use chlorine dioxide (therefore no chlorite sampling requirements). The number of affected entry points is most likely an overestimate, because the percent of systems using chlorite is based on data for CWSs, and NTNCWSs may be less likely to use chlorite. Groundwater TNCWSs are not required to monitor for chlorite.

2) Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

3) Monthly chlorite monitoring is performed at 3 sites in the distribution system (daily monitoring is required at each entry point). Monthly monitoring requires use of a different analytical method (EPA 300.0 or 300.1) than is used for daily monitoring.

Source: Percentage of entry points using chlorine dioxide used as proxy for percentage of systems using chlorine dioxide. The percentage of entry points using chlorine dioxide is from the 2006 Community Water Systems Survey and is the percentage of treated entry points in ground water systems using chlorine dioxide. Numbers of samples, applicability, burden, and costs carried forward from the 1998 Stage 1 DBPR RIA and ICR. Sample costs inlfated to 2013$.

Exhibit 11 - Distribution Systems Residual Monitoring Burden and Costs (Chlorine or Chloramines)

Disinfecting Groundwater Systems

Population Category	Hourly Labor Rate	Number of GW PWSs		Applicability (Is Monitoring Required?)			Annual Samples Required Per System	Total Samples Required Per System	Annual Calculation Burden Per System (hrs)	O&M (Analytical) Cost Per Sample	Total O&M (Analytical) Cost Per System	Total Burden Hours	Average Annual Burden Hours	Average Annual Labor Cost	Total O&M Cost	Average Annual O&M Cost
		CWS	NTNC	Year 1	Year 2	Year 3	(Based on TCR/RTCR routine monitoring schedule)		(5 min. per sample)							
	A	B	C	D	E	F	G	H	I	J	K=H*J	L=I*(B+C)	M=L/3	N=M*A	O=(B+C)*K	P=O/3
≤1,000	$34.59	20,064	6,922	Yes	Yes	Yes	9	27	2	$29	$783	61,589	20,530	$710,157	$21,125,117	$7,041,706
1,001-3,300	$34.59	5,152	338	Yes	Yes	Yes	26	78	7	$29	$2,237	35,806	11,935	$412,869	$12,281,663	$4,093,888
3,301-10,000	$34.59	2,490	40	Yes	Yes	Yes	75	224	19	$29	$6,413	47,300	15,767	$545,399	$16,224,057	$5,408,019
10,001-50,000	$34.59	1,255	4	Yes	Yes	Yes	255	765	64	$29	$21,864	80,232	26,744	$925,128	$27,519,883	$9,173,294
50,001-100,000	$34.59	140	0	Yes	Yes	Yes	846	2,539	212	$29	$72,587	29,602	9,867	$341,333	$10,153,677	$3,384,559
100,001-1,000,000	$34.59	59	0	Yes	Yes	Yes	1,504	4,513	376	$29	$129,011	22,239	7,413	$256,428	$7,627,982	$2,542,661
>1,000,000	$34.59	2	0	Yes	Yes	Yes	4,140	12,420	1,035	$29	$355,009	1,943	648	$22,401	$666,367	$222,122
Total		**29,161**	**7,304**									**278,710**	**92,903**	**$3,213,714**	**$95,598,746**	**$31,866,249**

Notes:

1) Surface water system residual monitoring conducted under the SWTR is provided in Appendix F and satisfies this requirement for the Stage 1 DBPR. To avoid double counting, only groundwater systems are analyzed here.

Source: Burden estimates based on a previous DBP/Chem ICR (identical activity conducted for SW systems, under the SWTR disinfectants residual model). Burden estimates take into account results of May 2015 consultations with water industry representatives. O&M costs based on the 1998 Stage 1 DBPR RIA and ICR, inflated to 2013$. Number of samples based on requirements for monthly TCR sampling (see Exhibit 2). Burden associated with sampling itself is addressed under the Microbial Rules ICR in the section on the TCR. Note that the burden for disinfectant residual monitoring is underestimated because it does not include disinfectant residual measured during repeat sampling.

Exhibit 12 - State Data Entry/Recordkeeping Burden and Costs

States

Total Respondents	Hourly Labor Rate	Number of Systems		Annual Data Entry/Recordkeeping (Hours Per System)		Total Annual Burden (Hours)	Annual Labor Cost
		SW/GWUDI Systems	Groundwater Systems	SW/GWUDI Systems	Groundwater Systems		
	A	B	C	D	E	F=B*D+C*E	G=A*F
2/26/1900	$ 45.60	12,489	36,505	9	1	148,906	$6,790,132

Note: [B]-[C] In addition to all CWSs and NTNCWSs, includes all TNCWSs that use chlorine dioxide (see Exhibit 8). States will not need to review data from other TNCWSs.

Exhibit 13 - Stage I Disinfection Byproducts Rule - Summary of Original and Revised Burden Estimates

No changes in burden estimates based on May 2015 consultations.

Appendix C

Stage 2 Disinfectants/Disinfection Byproducts Rule Spreadsheets

Exhibit 1
Burden, Respondents, Responses, and Costs for the ICR Approval Period
Totals by Year and Annual Averages for CWS and NTNC Water Systems

PWSs

	Source (Exhibit)	Year 1 January 1, 2016 - December 31, 2016	Year 2 January 1, 2017 - December 31, 2017	Year 3 January 1, 2018 - December 31, 2018	Total	Annual Average
Burden (hours)	2	48,820	48,820	48,820	146,459	48,820
Respondents (number)	3	47,362	47,362	47,362	47,362	47,362
Responses (number)	4	19,601	19,601	19,601	58,803	19,601
Costs (dollars)	5	$ 7,272,863	$ 7,272,863	$ 7,272,863	$ 21,818,589	$ 7,272,863
Labor		$ 1,688,772	$ 1,688,772	$ 1,688,772	$ 5,066,317	$ 1,688,772
O&M		$ 5,584,091	$ 5,584,091	$ 5,584,091	$ 16,752,272	$ 5,584,091
Capital		$ -	$ -	$ -	$ -	$ -
Burden per respondent						1.03
Cost per respondent						$ 153.56

States

	Source (Exhibit)	Year 1 January 1, 2016 - December 31, 2016	Year 2 January 1, 2017 - December 31, 2017	Year 3 January 1, 2018 - December 31, 2018	Total	Annual Average
Burden (hours)	2	50,822	50,822	50,822	152,466	50,822
Respondents (number)	3	57	57	57	57	57
Responses (number)	4	114	114	114	342	114
Costs (dollars)	5	$ 2,317,483	$ 2,317,483	$ 2,317,483	$ 6,952,450	$ 2,317,483
Labor		$ 2,317,483	$ 2,317,483	$ 2,317,483	$ 6,952,450	$ 2,317,483
O&M		$ -	$ -	$ -	$ -	$ -
Capital		$ -	$ -	$ -	$ -	$ -
Burden per respondent						891.61
Cost per respondent						$ 40,657.60

Sum for PWSs and States

	Source (Exhibit)	Year 1 January 1, 2016 - December 31, 2016	Year 2 January 1, 2017 - December 31, 2017	Year 3 January 1, 2018 - December 31, 2018	Total	Annual Average
Burden (hours)	2	99,642	99,642	99,642	298,925	99,642
Respondents (number)	3	47,419	47,419	47,419	47,419	47,419
Responses (number)	4	19,715	19,715	19,715	59,145	19,715
Costs (dollars)	5	$ 9,590,346	$ 9,590,346	$ 9,590,346	$ 28,771,039	$ 9,590,346
Labor		$ 4,006,256	$ 4,006,256	$ 4,006,256	$ 12,018,767	$ 4,006,256
O&M		$ 5,584,091	$ 5,584,091	$ 5,584,091	$ 16,752,272	$ 5,584,091
Capital		$ -	$ -	$ -	$ -	$ -
Burden per respondent						2.10
Cost per respondent						$ 202.25

Note: Detail may not appear to add to total due to rounding.

The number of state respondents is not added; rather the maximum number of respondents for the 3 years for a given activity is used to avoid double-counting.

Exhibit 2:
Burden for the ICR Approval Period

PWSs

	Source (Exhibit)	Year 1 January 1, 2016 - December 31, 2016	Year 2 January 1, 2017 - December 31, 2017	Year 3 January 1, 2018 - December 31, 2018	Total	Annual Average
Subpart H and Mixed CWSs						
Implementation [1]	19a	-	-	-	-	-
IDSE (monitoring, system studies or additional sample sites) [2]	19a	-	-	-	-	-
Monitoring Plans [3]	19a	-	-	-	-	-
Routine Monitoring [4]	19a	24,113	24,113	24,113	72,338	24,113
Operational Evaluations	19a	16,528	16,528	16,528	49,584	16,528
Disinfecting Ground Water CWSs						
Implementation [1]	19a	-	-	-	-	-
IDSE (monitoring, system studies or additional sample sites) [2]	19a	-	-	-	-	-
Monitoring Plans [3]	19a	-	-	-	-	-
Routine Monitoring [4]	19a	3,347.40	3,347.40	3,347.40	10,042	3,347
Operational Evaluations	19a	-	-	-	-	-
Subpart H and Mixed NTNCWSs						
Implementation [1]	19b	-	-	-	-	-
IDSE (monitoring, system studies or additional sample sites) [2]	19b	-	-	-	-	-
Monitoring Plans [3]	19b	-	-	-	-	-
Routine Monitoring [4]	19b	366.00	366.00	366.00	1,098	366
Operational Evaluations	19b	-	-	-	-	-
Disinfecting Ground Water NTNCWSs						
Implementation [1]	19b	-	-	-	-	-
IDSE (monitoring, system studies or additional sample sites) [2]	19b	-	-	-	-	-
Monitoring Plans [3]	19b	-	-	-	-	-
Routine Monitoring [4]	19b	4,465.53	4,465.53	4,465.53	13,397	4,466
Operational Evaluations	19b	-	-	-	-	-
Yearly Total		**48,819.74**	**48,819.74**	**48,819.74**	**146,459**	**48,820**

States

	Source (Exhibit)	Year 1 January 1, 2016 - December 31, 2016	Year 2 January 1, 2017 - December 31, 2017	Year 3 January 1, 2018 - December 31, 2018	Total	Annual Average
States and Territories						
State rule implementation activities [5]	19a	-	-	-	-	-
State IDSE activities [6]	19a	-	-	-	-	-
State Monitoring Plans	19a	-	-	-	-	-
State Routine Monitoring	19a	47,424.00	47,424.00	47,424.00	142,272	47,424
State Operational Evaluation	19a	3,398.00	3,398.00	3,398.00	10,194	3,398
Yearly Total		**50,822.00**	**50,822.00**	**50,822.00**	**152,466**	**10,164**

Sum for PWSs and States

		Year 1 January 1, 2016 - December 31, 2016	Year 2 January 1, 2017 - December 31, 2017	Year 3 January 1, 2018 - December 31, 2018	Total	Annual Average
CWSs		43,988.21	43,988.21	43,988.21	131,965	43,988
NTNCWSs		4,831.53	4,831.53	4,831.53	14,495	4,832
States and Territories		50,822.00	50,822.00	50,822.00	152,466	50,822
Yearly Total		**99,641.74**	**99,641.74**	**99,641.74**	**298,925**	**99,642**

Note: Detail may not appear to add to total due to rounding.

[1] Implementation was completed in a previous ICR period.

[2] System IDSE activities were completed in a previous ICR period.

[3] Systems are assumed to have completed monitoring plans during a previous ICR period.

[4] Shows the difference in burden for total compliance monitoring from Stage 1 to Stage 2 for disinfecting systems and systems predicted to install disinfection for the GWR. Note that the burden required may decrease in the transition from Stage 1 to Stage 2.

[5] State implementation activities are assumed to have been completed during a previous ICR period.

[6] State activities associated with IDSE were completed in a previous ICR period.

Exhibit 3:
Respondents for the ICR Approval Period [1]

PWSs [2]

	Source (Exhibit)	Year 1 January 1, 2016 - December 31, 2016	Year 2 January 1, 2017 - December 31, 2017	Year 3 January 1, 2018 - December 31, 2018	Total [5]	Annual Average
Subpart H and Mixed CWSs						
Implementation [3]	7	-	-	-	-	-
IDSE (monitoring, system studies o						
additional sample sites) [4]	8a & 8b	-	-	-	-	-
Monitoring Plans [5]	12	-	-	-	-	-
Routine Monitoring	13a	11,647	11,647	11,647	11,647	11,647
Operational Evaluations	14	452	452	452	452	452
Disinfecting Ground Water CWSs						
Implementation [3]	7	-	-	-	-	-
IDSE (monitoring, system studies o						
additional sample sites) [4]	8a & 8b	-	-	-	-	-
Monitoring Plans [5]	12	-	-	-	-	-
Routine Monitoring	13a	27,572	27,572	27,572	27,572	27,572
Operational Evaluations	14	-	-	-	-	-
Subpart H and Mixed NTNCWSs						
Implementation [3]	7	-	-	-	-	-
IDSE (monitoring, system studies o						
additional sample sites) [4]	8a & 8b	-	-	-	-	-
Monitoring Plans [5]	12	-	-	-	-	-
Routine Monitoring	13a	839	839	839	839	839
Operational Evaluations	14	-	-	-	-	-
Disinfecting Ground Water NTNCWSs						
Implementation [3]	7	-	-	-	-	-
IDSE (monitoring, system studies o						
additional sample sites) [4]	8a & 8b	-	-	-	-	-
Monitoring Plans [5]	12	-	-	-	-	-
Routine Monitoring	13a	7,304	7,304	7,304	7,304	7,304
Operational Evaluations	14	-	-	-	-	-
Yearly Total [8]		**47,362**	**47,362**	**47,362**	**47,362**	**47,362**

States [6]

	Source (Exhibit)	Year 1 January 1, 2016 - December 31, 2016	Year 2 January 1, 2017 - December 31, 2017	Year 3 January 1, 2018 - December 31, 2018	Total [5]	Annual Average
States and Territories						
State rule implementation activities [6]	26	-	-	-	-	-
State IDSE activities [7]	26	-	-	-	-	-
State Monitoring Plans	26	-	-	-	-	-
State Routine Monitoring	26	57	57	57	57	57
State Operational Evaluations	26	57	57	57	57	57
Yearly Total [8]		**57**	**57**	**57**	**57**	**57**

Sum for PWSs and States

		Year 1 January 1, 2016 - December 31, 2016	Year 2 January 1, 2017 - December 31, 2017	Year 3 January 1, 2018 - December 31, 2018	Total [5]	Annual Average
CWSs		39,219	39,219	39,219	39,219	39,219
NTNCWSs		8,143	8,143	8,143	8,143	8,143
States and Territories		57	57	57	57	57
Yearly Total		**47,419**	**47,419**	**47,419**	**47,419**	**47,419**

Note: Detail may not appear to add to total due to rounding.

[1] Non-treatment-related rule activities, in addition to those shown in the table, also include routine compliance monitoring. Some systems are expected to take more samples and some are expected to take less in the transition from Stage 1 to Stage 2, depending on the number of plants in their systems. Overall, the Stage 2 DBPR results in an increase in the total number of compliance samples taken from the Stage 1 DBPR. See Exhibit 13a column I, for the change in total samples for different system size categories.

[2] Each PWS is assumed to be a respondent.

[3] Implementation was completed in a previous ICR period.

[4] System IDSE activities were completed in a previous ICR period.

[5] Systems are assumed to have completed monitoring plans in a previous ICR period.

[6] State implementation activities were completed during a previous ICR period.

[7] State activities associated with IDSE were completed in a previous ICR period.

[8] In order to not double-count the number of respondents, the highest number of respondents for each PWS category represents the number of respondents for that year.

Exhibit 4:
Responses for the ICR Approval Period

PWSs

	Source (Exhibit)	Year 1 January 1, 2016 - December 31, 2016	Year 2 January 1, 2017 - December 31, 2017	Year 3 January 1, 2018 - December 31, 2018	Total	Annual Average
Subpart H and Mixed CWSs						
Implementation [1]	7	-	-	-	-	-
IDSE (monitoring, system studies or additional sample sites) [2]	9, 10, 11	-	-	-	-	-
Monitoring Plans [3]	12	-	-	-	-	-
Routine Monitoring [4]	13	14,036	14,036	14,036	42,107	14,036
Operational Evaluations	14	452	452	452	1,356	452
Disinfecting Ground Water CWSs						
Implementation [1]	7	-	-	-	-	-
IDSE (monitoring, system studies or additional sample sites) [2]	9, 10, 11	-	-	-	-	-
Monitoring Plans [3]	12	-	-	-	-	-
Routine Monitoring [4]	13	1,892	1,892	1,892	5,677	1,892
Operational Evaluations	14	-	-	-	-	-
Subpart H and Mixed NTNCWSs						
Implementation [1]	7	-	-	-	-	-
IDSE (monitoring, system studies or additional sample sites) [2]	9, 10, 11	-	-	-	-	-
Monitoring Plans [3]	12	-	-	-	-	-
Routine Monitoring [4]	13	244	244	244	732	244
Operational Evaluations	14	-	-	-	-	-
Disinfecting Ground Water NTNCWSs						
Implementation [1]	7	-	-	-	-	-
IDSE (monitoring, system studies or additional sample sites) [2]	9, 10, 11	-	-	-	-	-
Monitoring Plans [3]	12	-	-	-	-	-
Routine Monitoring [4]	13	2,977	2,977	2,977	8,931	2,977
Operational Evaluations	14	-	-	-	-	-
Yearly Total		**19,601**	**19,601**	**19,601**	**58,803**	**19,601**

States

	Source (Exhibit)	Year 1 January 1, 2016 - December 31, 2016	Year 2 January 1, 2017 - December 31, 2017	Year 3 January 1, 2018 - December 31, 2018	Total	Annual Average
States and Territories						
State rule implementation activities [5]	26	-	-	-	-	-
State IDSE activities [6]	26	-	-	-	-	-
State Monitoring Plans	26	-	-	-	-	-
State Routine Monitoring	26	57	57	57	171	57
Operational Evaluations	26	57	57	57	171	57
Yearly Total		**114**	**114**	**114**	**342**	**114**

Sum for PWSs and States

		Year 1 January 1, 2016 - December 31, 2016	Year 2 January 1, 2017 - December 31, 2017	Year 3 January 1, 2018 - December 31, 2018	Total	Annual Average
CWSs		16,380	16,380	16,380	49,140	16,380
NTNCWSs		3,221	3,221	3,221	9,663	3,221
States and Territories		114	114	114	342	114
Yearly Total		**19,715**	**19,715**	**19,715**	**59,145**	**19,715**

Note: Detail may not appear to add to total due to rounding.

[1] Implementation is assumed to have been completed in a previous ICR period.

[2] System IDSE activities were completed in a previous ICR period.

[3] Systems are expected to have completed routine monitoring plans in a previous ICR period.

[4] Shows the difference in responses for total compliance monitoring from Stage 1 to Stage 2 for disinfecting systems and systems predicted to install disinfection for the GWR. Note that the number of responses required may decrease in the transition from Stage 1 to Stage 2.

[5] States are assumed to have completed implementation during a previous ICR period.

[6] State activities associated with IDSE were completed in a previous ICR period.

Exhibit 5:
Cost for the ICR Approval Period

PWSs

	Source	Year 1			Year 2			Year 3			Total				Annual
		January 1, 2016 - December 31, 2016			January 1, 2017 - December 31, 2017			January 1, 2018 - December 31, 2018							
	(Exhibit)	Labor	O&M	Capital	Labor	O&M	Capital	Labor	O&M	Capital	Labor	O&M	Capital	Total	Average
Subpart H and Mixed CWSs															
Implementation [1]	20a	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
IDSE (monitoring, system studies or additional sample sites) [2]	20a	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Monitoring Plans [3]	20a	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Routine Monitoring [4]	20a	$ 834,110	$ 4,033,339	$ -	$ 834,110	$ 4,033,339	$ -	$ 834,110	$ 4,033,339	$ -	$ 2,502,331	$ 12,100,017	$ -	$ 14,602,348	$ 4,867,449
Operational Evaluations	20a	$ 571,737	$ -	$ -	$ 571,737	$ -	$ -	$ 571,737	$ -	$ -	$ 1,715,210	$ -	$ -	$ 1,715,210	$ 571,737
Disinfecting Ground Water CWSs															
Implementation [1]	20a	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
IDSE (monitoring, system studies or additional sample sites) [2]	20a	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Monitoring Plans [3]	20a	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Routine Monitoring [4]	20a	$ 115,793	$ 576,104	$ -	$ 115,793	$ 576,104	$ -	$ 115,793	$ 576,104	$ -	$ 347,380	$ 1,728,312	$ -	$ 2,075,692	$ 691,897
Operational Evaluations	20a	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Subpart H and Mixed NTNCWSs															
Implementation [1]	20b	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
IDSE (monitoring, system studies or additional sample sites) [2]	20b	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Monitoring Plans [3]	20b	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Routine Monitoring [4]	20b	$ 12,661	$ 72,926	$ -	$ 12,661	$ 72,926	$ -	$ 12,661	$ 72,926	$ -	$ 37,982	$ 218,777	$ -	$ 256,759	$ 85,586
Operational Evaluations	20b	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Disinfecting Ground Water NTNCWSs															
Implementation [1]	20b	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
IDSE (monitoring, system studies or additional sample sites) [2]	20b	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Monitoring Plans [3]	20b	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Routine Monitoring [4]	20b	$ 154,472	$ 901,722	$ -	$ 154,472	$ 901,722	$ -	$ 154,472	$ 901,722	$ -	$ 463,415	$ 2,705,166	$ -	$ 3,168,580	$ 1,056,193
Operational Evaluations	20b	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Yearly Total		**$ 1,688,772**	**$ 5,584,091**	**$ -**	**$ 1,688,772**	**$ 5,584,091**	**$ -**	**$ 1,688,772**	**$ 5,584,091**	**$ -**	**$ 5,066,317**	**$ 16,752,272**	**$ -**	**$ 21,818,589**	**$ 7,272,863**

States

	Source	Year 1			Year 2			Year 3			Total				Annual
		January 1, 2016 - December 31, 2016			January 1, 2017 - December 31, 2017			January 1, 2018 - December 31, 2018							
	(Exhibit)	Labor	O&M	Capital	Labor	O&M	Capital	Labor	O&M	Capital	Labor	O&M	Capital	Total	Average
States and Territories															
State rule implementation activities [5]	20a	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
State IDSE activities [6]	20a	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
State Monitoring Plans	20a	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
State Routine Monitoring	20a	$ 2,162,534	$ -	$ -	$ 2,162,534	$ -	$ -	$ 2,162,534	$ -	$ -	$ 6,487,603	$ -	$ -	$ 6,487,603	$ 2,162,534
State Operational Evaluations	20a	$ 154,949	$ -	$ -	$ 154,949	$ -	$ -	$ 154,949	$ -	$ -	$ 464,846	$ -	$ -	$ 464,846	$ 154,949
Yearly Total		**$ 2,317,483**	**$ -**	**$ -**	**$ 2,317,483**	**$ -**	**$ -**	**$ 2,317,483**	**$ -**	**$ -**	**$ 6,952,450**	**$ -**	**$ -**	**$ 6,952,450**	**$ 2,317,483**

Sum for PWSs and States

		Year 1			Year 2			Year 3			Total				Annual
		January 1, 2016 - December 31, 2016			January 1, 2017 - December 31, 2017			January 1, 2018 - December 31, 2018							
		Labor	O&M	Capital	Labor	O&M	Capital	Labor	O&M	Capital	Labor	O&M	Capital	Total	Average
CWSs		$ 1,521,640	$ 4,609,443	$ -	$ 1,521,640	$ 4,609,443	$ -	$ 1,521,640	$ 4,609,443	$ -	$ 4,564,921	$ 13,828,329	$ -	$ 18,393,250	$ 6,131,083
NTNCWSs		$ 167,132	$ 974,648	$ -	$ 167,132	$ 974,648	$ -	$ 167,132	$ 974,648	$ -	$ 501,397	$ 2,923,943	$ -	$ 3,425,339	$ 1,141,780
States and Territories		$ 2,317,483	$ -	$ -	$ 2,317,483	$ -	$ -	$ 2,317,483	$ -	$ -	$ 6,952,450	$ -	$ -	$ 6,952,450	$ 2,317,483
Yearly Total		**$ 4,006,256**	**$ 5,584,091**	**$ -**	**$ 4,006,256**	**$ 5,584,091**	**$ -**	**$ 4,006,256**	**$ 5,584,091**	**$ -**	**$ 12,018,767**	**$ 16,752,272**	**$ -**	**$ 28,771,039**	**$ 9,590,346**

Note: Detail may not appear to add to total due to rounding.

[1] Implementation is assumed to have been completed in a previous ICR period.

[2] System IDSE activities were completed in a previous ICR period.

[3] Systems are expected to have completed their routine monitoring plans in a previous ICR period.

[4] Shows the difference in costs for total compliance monitoring from Stage 1 to Stage 2 for disinfecting systems and systems predicted to install disinfection for the GWR. Note that the costs required may decrease in the transition from Stage 1 to Stage 2.

[5] State implementation activities are assumed to have been completed during a previous ICR period.

[6] State activities associated with IDSE were completed in a previous ICR period.

Exhibit 6: Baseline Number of 100 Percent Purchasing Systems and Producing Systems

Size Category	Total Number of Systems			Percent of Purchased Systems that Buy all of Their Water (100% Purchasing Systems)	Plants Per System	Percent Disinfecting	Systems Subject to Stage 2 DBPR			
							100% Purchasing Systems		Producing Systems	
	Non-Purchased	Purchased	Total				Systems	Plants	Systems	Plants
	A	B	C = A + B	D	E	F	G=Round [B*D*F]	H=Round [E*G]	I=Round [(C-(B*D))*F]	J=Round [E*I]
Subpart H and Mixed CWSs										
<500	1,040	1,983	3,022	80%	1.0	100%	1,579	1,657	1,444	1,515
500-3,300	1,267	2,400	3,667	80%	1.0	100%	1,911	1,930	1,756	1,774
3,301-9,999	977	1,237	2,214	80%	1.1	100%	985	1,054	1,229	1,315
10,000-49,999	988	998	1,986	80%	1.1	100%	794	857	1,192	1,287
50,000-249,999	380	249	629	80%	1.4	100%	198	272	431	592
250,000-999,999	86	19	105	80%	1.7	100%	15	25	90	152
1,000,000-4,999,999	18	4	22	80%	3.7	100%	3	11	19	70
≥5,000,000	1	-	1	80%	3.7	100%	-	-	1	4
National Totals	**4,757**	**6,890**	**11,647**				**5,485**	**5,806**	**6,162**	**6,709**
100% Ground Water CWSs (Disinfecting)										
<500	23,121	1,289	24,410	100%	1.1	65%	838	952	15,027	17,065
500-9,999	11,711	1,092	12,803	100%	1.7	80%	876	1,513	9,398	16,230
10,000-99,999	1,463	44	1,507	100%	3.8	91%	40	152	1,335	5,057
100,000-499,999	58	-	58	100%	12.3	90%	-	-	52	637
> 500,000	7	-	7	100%	12.3	90%	-	-	6	77
National Totals	**36,360**	**2,425**	**38,784**				**1,754**	**2,617**	**25,819**	**39,066**
Subpart H and Mixed NTNCWSs										
<500	264	324	589	88%	1.0	100%	284	284	305	305
500-3,300	86	103	189	88%	1.0	100%	90	90	99	99
3,301-9,999	15	38	53	88%	1.0	100%	33	33	20	20
10,000-49,999	-	6	6	88%	1.0	100%	5	5	1	1
50,000-249,999	-	2	2	88%	1.0	100%	2	2	-	-
250,000-999,999	-	-	-	88%	1.0	100%	-	-	-	-
1,000,000-4,999,999	-	-	-	88%	1.0	100%	-	-	-	-
≥5,000,000	-	-	-	88%	1.0	100%	-	-	-	-
National Totals	**365**	**473**	**839**				**414**	**414**	**425**	**425**
100% Ground Water NTNCWSs (Disinfecting)										
<500	14,229	106	14,335	100%	1.0	43%	46	46	6,128	6,128
500-9,999	2,571	42	2,613	100%	1.0	43%	18	18	1,107	1,107
10,000-99,999	8	2	10	100%	1.0	43%	1	1	3	3
100,000-499,999	-	-	-	100%	1.0	43%	-	-	-	-
> 500,000	-	-	-	100%	1.0	43%	-	-	-	-
National Totals	**16,808**	**150**	**16,958**				**65**	**65**	**7,239**	**7,238**
Grand Total	**58,290**	**9,938**	**68,228**				**7,718**	**8,902**	**39,645**	**53,438**

Sources: (A), (B) October 2014 SDWIS frozen database. Source was not specified for some systems. These PWSs were assigned to SW or GW categories based on the ratio of SW to GW systems within a given size category.

(D) Percentage of purchased systems that are 100% purchasing is estimated from SDWIS data.

(E) Based on analysis of data from 2006 Community Water Systems Survey.

(F) For ground water CWSs, percentage of systems that disinfect is based on 2006 CWSS; percentages include systems that disinfect at least one entry point. For ground water NTNCWSs, the percentage disinfecting is based on the October 2014 SDWIS frozen database. All surface water systems are required to disinfect under the Surface Water Treatment Rule.

Exhibit 7: Rule Implementation Costs for Systems
(Activity Completed in a Previous ICR Period)

Size Category	Number of Systems	Read Hours per PWS	Train Hours per PWS	Cost per Labor Hour	Total Cost	Total Burden (Hours)	Total Burden (FTEs)
	A	B	C	D	E = A*(B+C)*D	F = A*(B+C)	G = F/2,080
							-
<500	3,022	8	15	$ 34.59	$ 2,404,713	69,516	33.4
500-3,300	3,667	8	15	$ 34.59	$ 2,917,686	84,346	40.6
3,301-9,999	2,214	8	15	$ 34.59	$ 1,761,494	50,922	24.5
10,000-49,999	1,986	40	15	$ 34.59	$ 3,778,484	109,230	52.5
50,000-249,999	629	40	15	$ 34.59	$ 1,196,710	34,595	16.6
250,000-999,999	105	40	75	$ 34.59	$ 417,698	12,075	5.8
1,000,000-4,999,999	22	40	75	$ 34.59	$ 87,518	2,530	1.2
≥5,000,000	1	40	75	$ 34.59	$ 3,978	115	0.1
National Totals	**11,647**				**$ 12,568,281**	**363,329**	**174.7**
100% Ground Water CWSs (Disinfecting)							
<500	15,865	8	15	$ 34.59	$ 12,622,330	364,892	175.4
500-9,999	10,274	8	15	$ 34.59	$ 8,174,290	236,306	113.6
10,000-99,999	1,375	40	15	$ 34.59	$ 2,616,114	75,628	36.4
100,000-499,999	52	40	15	$ 34.59	$ 98,994	2,862	1.4
> 500,000	6	40	15	$ 34.59	$ 11,948	345	0.2
National Totals	**27,572**				**$ 23,523,677**	**680,032**	**326.9**
Surface Water NTNCWSs							
<500	589	8	15	$ 34.59	$ 468,300	13,538	6.5
500-3,300	189	8	15	$ 34.59	$ 150,455	4,349	2.1
3,301-9,999	53	8	15	$ 34.59	$ 42,168	1,219	0.6
10,000-49,999	6	40	15	$ 34.59	$ 11,415	330	0.2
50,000-249,999	2	40	15	$ 34.59	$ 3,805	110	0.1
250,000-999,999	-	40	25	N/A	$ -	-	-
1,000,000-4,999,999	-	40	25	N/A	$ -	-	-
≥5,000,000	-	40	25	N/A	$ -	-	-
National Totals	**839**				**$ 676,143**	**19,546**	**9.4**
100% Ground Water NTNCWSs (Disinfecting)							
<500	6,174	8	15	$ 34.59	$ 4,912,391	142,009	68.3
500-9,999	1,125	8	15	$ 34.59	$ 895,387	25,884	12.4
10,000-99,999	4	40	15	$ 34.59	$ 8,194	237	0.1
100,000-499,999	-	40	15	$ 34.59	$ -	-	-
> 500,000	-	40	15	N/A	$ -	-	-
National Totals	**7,304**				**$ 5,815,973**	**168,131**	**80.8**
Grand Totals	**47,362**				**$ 42,584,075**	**1,231,038**	**591.8**

Notes: Detail may not add due to rounding.

1 FTE=2,080 hours (40 hours/week; 52 weeks/year).

Burden estimates take into account results of previous consultations with water industry representatives.

Sources: (A) Number of disinfecting systems subject to the rule from Exhibit 6, columns G and I.

(B and C) Hours for reading the rule and training appropriate personnel are estimated based on EPA experience implementing previous regulations.

(D) Labor rates from 2013 Bureau of Labor Statistics SOC Code 51-8031, "Local Government - Water and Liquid Waste Treatment Plant and System Operators."

Exhibit 8a: Percent and Number of 100 Percent Purchasing Systems in Each IDSE Category
(Note: IDSE Completed in a Previous ICR Period)

Size Category	Total Number of 100% Purchasing Systems	Percentage Receiving a Very Small System Waiver	Percentage Less than or Equal to 40/30	Percentage Using Studies	Systems Conducting IDSE Standard Monitoring	Systems Receiving the 40/30 Certification	Systems Using Studies
	A	B	C	D	E=A*(1-B)-F-G	F=Round [A*(1-B)*C]	G=Round [A*(1-B)*(1-C)*D]
Subpart H and Mixed CWSs							
<500	1,579	0%	0%	0%	1,579	0	0
500-3,300	1,911	0%	0%	0%	1,911	0	0
3,301-9,999	985	0%	0%	0%	985	0	0
10,000-49,999	794	0%	14%	0%	683	111	0
50,000-249,999	198	0%	14%	5%	161	28	9
250,000-999,999	15	0%	14%	10%	12	2	1
1,000,000-4,999,999	3	0%	14%	10%	3	0	0
≥5,000,000	-	0%	14%	10%	-	0	0
National Totals	**5,485**				**5,334**	**141**	**10**
100% Ground Water CWSs (Disinfecting)							
<500	838	0%	0%	0%	838	0	0
500-9,999	876	0%	0%	0%	876	0	0
10,000-99,999	40	0%	82%	0%	7	33	0
100,000-499,999	0	0%	66%	10%	0	0	0
> 500,000	0	0%	79%	10%	0	0	0
National Totals	**1,754**				**1,721**	**33**	**0**
Subpart H and Mixed NTNCWSs							
<500	284	N/A	N/A	N/A	N/A	N/A	N/A
500-3,300	90	N/A	N/A	N/A	N/A	N/A	N/A
3,301-9,999	33	N/A	N/A	N/A	N/A	N/A	N/A
10,000-49,999	5	0%	14%	0%	4	1	0
50,000-249,999	2	0%	14%	0%	2	0	0
250,000-999,999	0	0%	14%	0%	0	0	0
1,000,000-4,999,999	0	0%	14%	0%	0	0	0
≥5,000,000	0	0%	14%	0%	0	0	0
National Totals	**414**				**6**	**1**	**0**
100% Ground Water NTNCWSs (Disinfecting)							
<500	46	N/A	N/A	N/A	N/A	N/A	N/A
500-9,999	18	N/A	N/A	N/A	N/A	N/A	N/A
10,000-99,999	1	0%	92%	0%	0	1	0
100,000-499,999	0	0%	92%	0%	0	0	0
> 500,000	0	0%	92%	0%	0	0	0
National Totals	**65**				**0**	**1**	**0**
Grand Totals	**7,718**				**7,061**	**176**	**10**

Notes: Detail may not add due to rounding.
Shaded areas represent systems that are not subject to IDSE requirements.
Results in columns F and G are rounded to whole systems.
Column C is the percentage of systems with TTHM concentrations less than or equal to 40 ug/L and HAA5 concentrations less than or equal to 30 ug/L for Stage 1 DBPR monitoring.

Sources: (A) Number of disinfecting 100% purchasing systems (Exhibit 6, column G).
(B)-(C) 100% purchasing systems may not have DBP data with which to qualify for the waiver or certification. As a conservative assumption, 0% is used.
(D) Percentage of systems able to use historical data based on expert opinion.

Exhibit 8b: Percent and Number of Producing Systems in Each IDSE Category
(Note: IDSE Completed in a Previous ICR Period)

Size Category	Total Number of Producing Systems	Percentage Receiving a Very Small System Waiver	Percentage Having Concentrations Less than or Equal to 40/30	Percentage Using Studies	Systems Conducting IDSE Standard Monitoring	Systems Receiving the 40/30 Certification	Systems Using Studies
	A	B	C	D	E=A*(1-B)-F-G	F=Round [A*(1-B)*C]	G=Round [A*(1-B)*(1-C)*D]
Subpart H and Mixed CWSs							
<500	1,444	100%	0%	0%	-	0	0
500-3,300	1,756	0%	14%	0%	1,510	246	0
3,301-9,999	1,229	0%	14%	0%	1,057	172	0
10,000-49,999	1,192	0%	14%	0%	1,025	167	0
50,000-249,999	431	0%	14%	5%	352	60	19
250,000-999,999	90	0%	14%	10%	69	13	8
1,000,000-4,999,999	19	0%	14%	10%	14	3	2
≥5,000,000	1	0%	14%	10%	1	0	0
National Totals	**6,162**				**4,028**	**661**	**29**
100% Ground Water CWSs (Disinfecting)							
<500	15,027	100%	0%	0%	0	0	0
500-9,999	9,398	0%	89%	0%	1,054	8,344	0
10,000-99,999	1,335	0%	82%	0%	236	1,099	0
100,000-499,999	52	0%	66%	10%	16	34	2
> 500,000	6	0%	79%	10%	1	5	0
National Totals	**25,818**				**1,307**	**9,482**	**2**
Subpart H and Mixed NTNCWSs							
<500	305	N/A	N/A	N/A	N/A	N/A	N/A
500-3,300	99	N/A	N/A	N/A	N/A	N/A	N/A
3,301-9,999	20	N/A	N/A	N/A	N/A	N/A	N/A
10,000-49,999	1	0%	14%	0%	1	0	0
50,000-249,999	0	0%	14%	0%	0	0	0
250,000-999,999	0	0%	14%	0%	0	0	0
1,000,000-4,999,999	0	0%	14%	0%	0	0	0
≥5,000,000	0	0%	14%	0%	0	0	0
National Totals	**424**				**1**	**-**	**-**
100% Ground Water NTNCWSs (Disinfecting)							
<500	6,129	N/A	N/A	N/A	N/A	N/A	N/A
500-9,999	1,107	N/A	N/A	N/A	N/A	N/A	N/A
10,000-99,999	3	0%	92%	0%	0	3	0
100,000-499,999	0	0%	92%	0%	0	0	0
> 500,000	0	0%	92%	0%	0	0	0
National Totals	**7,239**				**0**	**3**	**-**
Grand Totals	**39,644**				**5,336**	**10,146**	**31**

Notes: Detail may not add due to rounding.
Shaded areas represent systems that are not subject to IDSE requirements.
Results in columns F and G are rounded to whole systems.
Column C is the percentage of systems with TTHM concentrations less than or equal to 40 ug/L and HAA5 concentrations less than or equal to 30 ug/L for Stage 1 DBPR monitoring.

Sources: (A) Number of producing disinfecting systems (Exhibit 6, column I).

(B) The percentage of small systems to receive a very small system waiver is an assumption based on EPA experience with small systems. 100% purchasing systems may not have DBP data with which to qualify for small system waivers. As a conservative estimate 0% is assumed.

(C) Percentage of systems with all data ≤ 40/30 for medium and large surface water and mixed systems and all groundwater systems based on Information Collection Rule data. Percentages for small surface water systems are from National Rural Water Association data.

(D) Percentage of systems able to use historical data based on expert opinion.

Exhibit 9: IDSE Costs for Systems Using SMPs
(Activity Completed in a Previous ICR Period)

		Sampling				Develop IDSE Monitoring Plan & Report						
Size Category	Total Number of Systems that Monitor	Number of Dual Sample Sets per System	Hours per Sample	Sampling Cost per Labor Hour	Laboratory Cost per Sample	Preparation of IDSE Monitoring Plan	Preparation of IDSE Report	Reporting Cost per Labor Hour	Total Labor Cost	Total Non-Labor Cost	Total Cost	Total Burden (Hours)	Total Burden (FTEs)
	A	B	C	D	E	F	G	H	I=A*(B*C*D + (F+G)*H)	J=A*E*B	K=I+J	L=A*(B*C+(F+G))	M=L/2,080
Subpart H and Mixed CWSs													
<500	1,579	2	1.5	$ 34.59	$ 304	6	16	$ 34.59	$ 1,365,128	$ 959,306	$ 2,324,434	39,464	19.0
500-3,300	3,421	8	1.5	$ 34.59	$ 304	6	16	$ 34.59	$ 4,023,773	$ 8,316,451	$ 12,340,224	116,321	55.9
3,301-9,999	2,042	16	1.5	$ 34.59	$ 304	6	16	$ 34.59	$ 3,249,296	$ 9,927,614	$ 13,176,910	93,932	45.2
10,000-49,999	1,708	48	1.5	$ 34.59	$ 266	20	16	$ 34.59	$ 6,380,979	$ 21,797,483	$ 28,178,461	184,464	88.7
50,000-249,999	513	96	1.5	$ 34.59	$ 266	20	24	$ 34.59	$ 3,336,191	$ 13,093,804	$ 16,429,995	96,444	46.4
250,000-999,999	81	144	1.5	$ 34.59	$ 266	80	40	$ 34.59	$ 941,456	$ 3,101,164	$ 4,042,620	27,216	13.1
1,000,000-4,999,999	17	192	1.5	$ 34.59	$ 266	100	60	$ 34.59	$ 263,453	$ 867,815	$ 1,131,268	7,616	3.7
≥5,000,000	1	240	1.5	$ 34.59	$ 266	100	60	$ 34.59	$ 17,988	$ 63,810	$ 81,798	520	0.3
National Totals	**9,362**								**$ 19,578,263**	**$ 58,127,448**	**$ 77,705,711**	**565,977**	**272.1**
100% Ground Water CWSs (Disinfecting)													
<500	838	2	1.5	$ 34.59	$ 304	6	16	$ 34.59	$ 724,274	$ 508,963	$ 1,233,237	20,938	10.1
500-9,999	1,930	8	1.5	$ 34.59	$ 304	6	16	$ 34.59	$ 2,270,122	$ 4,691,954	$ 6,962,075	65,626	31.6
10,000-99,999	243	24	1.5	$ 34.59	$ 266	12	16	$ 34.59	$ 538,085	$ 1,550,899	$ 2,088,983	15,555	7.5
100,000-499,999	16	32	1.5	$ 34.59	$ 266	30	24	$ 34.59	$ 56,567	$ 136,400	$ 192,967	1,635	0.79
> 500,000	1	48	1.5	$ 34.59	$ 266	90	24	$ 34.59	$ 8,234	$ 16,332	$ 24,566	238	0.1
National Totals	**3,028**								**$ 3,597,281**	**$ 6,904,548**	**$ 10,501,829**	**103,992**	**50.0**
Subpart H and Mixed NTNCWSs													
<500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
500-3,300	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3,301-9,999	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10,000-49,999	5	48	1.5	$ 34.59	$ 266	20	16	$ 34.59	$ 18,680	$ 63,810	$ 82,490	540	0.3
50,000-249,999	2	96	1.5	$ 34.59	$ 266	20	24	$ 34.59	$ 13,007	$ 51,048	$ 64,055	376	0.2
250,000-999,999	0	144	1.5	N/A	$ 266	80	40	N/A	$ -	$ -	$ -	-	-
1,000,000-4,999,999	0	192	1.5	N/A	$ 266	100	60	N/A	$ -	$ -	$ -	-	-
≥5,000,000	0	240	1.5	N/A	$ 266	100	60	N/A	$ -	$ -	$ -	-	-
National Totals	**7**								**$ 31,686**	**$ 114,858**	**$ 146,544**	**916**	**0.4**
100% Ground Water NTNCWSs (Disinfecting)													
<500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
500-9,999	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10,000-99,999	0	24	1.5	$ 34.59	$ 266	12	16	$ 34.59	$ 987	$ 2,844	$ 3,830	29	0.0
100,000-499,999	0	32	1.5	$ 34.59	$ 266	30	24	$ 34.59	$ -	$ -	$ -	-	-
> 500,000	0	48	1.5	N/A	$ 266	90	24	N/A	$ -	$ -	$ -	-	-
National Totals	**0**								**$ 987**	**$ 2,844**	**$ 3,830**	**29**	**0.0**
Grand Totals	**12,397**								**$ 23,208,217**	**$ 65,149,697**	**$ 88,357,914**	**670,913**	**322.6**

Notes: Detail may not add due to rounding.

Shaded areas represent systems that are not subject to IDSE requirements.

1 FTE=2,080 hours (40 hours/week; 52 weeks/year).

Burden estimates take into account the results of previous consultations with water industry representatives.

Sources: (A) From Exhibits 8a and 8b, column E.

(B) Number of IDSE samples per system based on rule requirements for conducting IDSE monitoring. (Number of sites multiplied by frequency of samples for one year.)

(C) Labor hours per sample reflects EPA estimate.

(D) Labor rates from 2013 Bureau of Labor Statistics SOC Code 51-8031, "Local Government - Water and Liquid Waste Treatment Plant and System Operators."

(E) Laboratory cost for TTHM and HAA5 analyses per sample based on costs incurred for the Information Collection Rule. $11 shipping is added for large systems as many large systems have in-house capacity and will not have to ship. $45 is added for small systems because of higher shipping charges and fewer samples (no bulk discounts) and because fewer small systems have in-house labs. Laboratory costs per sample are inflated to 2013$.

(F and G) Labor hours for site selection and reporting based on expert opinion received during regulatory development process.

(H) Labor rates from 2013 Bureau of Labor Statistics SOC Code 51-8031, "Local Government - Water and Liquid Waste Treatment Plant and System Operators."

Exhibit 10: IDSE Costs for Systems Using SSSs
(Activity Completed in a Previous ICR Period)

Size Category	Number of Systems Qualifying for SSS	Preparation of IDSE Study Plan	Conduct Study	Preparation of IDSE Study Report	Cost per Labor Hour	Total Cost	Total Burden (Hours)	Total Burden (FTEs)
	A	B	C	D	E	F = A*(B+C+D)*E	G = A*(B+C+D)	H = G/2,080
Subpart H and Mixed CWSs								
<500	-	-	-	-	$ -	$ -	-	-
500-3,300	-	-	-	-	$ -	$ -	-	-
3,301-9,999	-	-	-	-	$ -	$ -	-	-
10,000-49,999	-	-	-	-	$ -	$ -	-	-
50,000-249,999	28	40	100	40	$ 34.59	$ 174,344	5,040	2.4
250,000-999,999	9	40	100	40	$ 34.59	$ 56,039	1,620	0.8
1,000,000-4,999,999	2	40	100	40	$ 34.59	$ 12,453	360	0.2
≥5,000,000	-	-	-	-	$ -	$ -	-	-
National Total	**39**					**$ 242,836**	**7,020**	**3.4**
100% Ground Water CWSs (Disinfecting)								
<500	-	-	-	-	$ -	$ -	-	-
500-9,999	-	-	-	-	$ -	$ -	-	-
10,000-99,999	-	-	-	-	$ -	$ -	-	-
100,000-499,999	2	40	100	40	$ 34.59	$ 12,453	360	0.2
> 500,000	-	-	-	-	$ -	$ -	-	-
National Total	**2**					**$ 12,453**	**360**	**0.2**
Subpart H and Mixed NTNCWSs								
<500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
500-3,300	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3,301-9,999	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10,000-49,999	-	-	-	-	$ -	$ -	-	-
50,000-249,999	-	-	-	-	$ -	$ -	-	-
250,000-999,999	-	-	-	-	$ -	$ -	-	-
1,000,000-4,999,999	-	-	-	-	$ -	$ -	-	-
≥5,000,000	-	-	-	-	$ -	$ -	-	-
National Total	**-**					**$ -**	**-**	**-**
100% Ground Water NTNCWSs (Disinfecting)								
<500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
500-9,999	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10,000-99,999	-	-	-	-	$ -	$ -	-	-
100,000-499,999	-	-	-	-	$ -	$ -	-	-
> 500,000	-	-	-	-	$ -	$ -	-	-
National Total	-					$ -	-	-
Grand Totals	**41**					**$ 255,289**	**7,380**	**3.5**

Notes: Detail may not add due to rounding.
Shaded areas represent systems that are not subject to IDSE requirements.
Burden estimates take into account the results of previous consultations with water industry representatives.

Sources: SSS stands for systems using System-Specific Studies.
(A) Number of systems using studies to satisfy IDSE requirements from Exhibits 8a and 8b, column G.
(B), (C), (D) Reporting hours required per system based on expert opinion.
(E) Labor rates from 2013 Bureau of Labor Statistics SOC Code 51-8031, "Local Government - Water and Liquid Waste Treatment Plant and System Operators."

Exhibit 11: IDSE Costs for Systems Qualifying for the 40/30 Certification
(Activity Completed in a Previous ICR Period)

	Selecting Additional Sites		Preparing IDSE Report					
Size Category	Systems Receiving 40/30 Certification but Adding Stage 2 site(s)	Hours per System	Number of Systems Receiving 40/30 Certification	Reporting Hours per System	Cost per Labor Hour	Total Cost	Total Burden (Hours)	Total Burden (FTEs)
	A	B	C	D	E	F = (A*B+C*D)*E	G = A*B+C*D	H = G/2,080
Subpart H and Mixed CWSs								
<500	-	3	-	4	$ 34.59	$ -	-	-
500-3,300	-	4	246	4	$ 34.59	$ 34,039	984	0.5
3,301-9,999	172	4	172	4	$ 34.59	$ 47,599	1,376	0.7
10,000-49,999	-	8	278	6	$ 34.59	$ 57,699	1,668	0.8
50,000-249,999	88	8	88	6	$ 34.59	$ 42,617	1,232	0.6
250,000-999,999	15	8	15	6	$ 34.59	$ 7,264	210	0.1
1,000,000-4,999,999	3	8	3	6	$ 34.59	$ 1,453	42	0.0
≥5,000,000	-	8	-	6	$ 34.59	$ -	-	-
National Totals	**278**		**802**			**$ 190,671**	**5,512**	**2.7**
100% Ground Water CWSs (Disinfecting)								
<500	-	3	-	4	$ 34.59	$ -	-	-
500-9,999	8,344	4	8,344	4	$ 34.59	$ 2,309,085	66,752	32.1
10,000-99,999	1,132	8	1,132	6	$ 34.59	$ 548,214	15,848	7.6
100,000-499,999	-	8	34	6	$ 34.59	$ 7,057	204	0.1
> 500,000	-	8	5	6	$ 34.59	$ 1,038	30	0.0
National Totals	**9,476**		**9,515**			**$ 2,865,394**	**82,834**	**39.8**
Subpart H and Mixed NTNCWSs								
<500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
500-3,300	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3,301-9,999	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10,000-49,999	-	8	1	6	$ 34.59	$ 208	6	0.0
50,000-249,999	-	8	-	6	$ 34.59	$ -	-	-
250,000-999,999	-	8	-	6	N/A	$ -	-	-
1,000,000-4,999,999	-	8	-	6	N/A	$ -	-	-
≥5,000,000	-	8	-	6	N/A	$ -	-	-
National Totals	**-**		**1**			**$ 208**	**6**	**0.0**
100% Ground Water NTNCWSs (Disinfecting)								
<500	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
500-9,999	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10,000-99,999	4	8	4	6	$ 34.59	$ 1,937	56	0.0
100,000-499,999	-	8	-	6	$ 34.59	$ -	-	-
> 500,000	-	8	-	6	N/A	$ -	-	-
National Totals	**4**		**4**			**$ 1,937**	**56**	**0.0**
Grand Totals	**9,758**		**10,322**			**$ 3,058,210**	**88,408**	**42.5**

Notes: Shaded areas represent systems that are not subject to IDSE requirements.

Burden estimates take into account the results of previous consultations with water industry representatives.

Sources: (A) Number of systems less than or equal to 40/30 from Exhibit 8a and 8b (column F) for only those system size categories that are predicted to have additional routine monitoring in the transition from Stage 1 to Stage 2 (see Exhibit 13a, column H).

(B) Hours per system required to select new sites for Stage 2 based on expert opinion.

(C) Number of systems that qualify for 40/30 certification from Exhibit 8a and 8b, column F.

(D) Reporting hours are based on best professional judgment and experience with similar rules.

(E) Labor rates from 2013 Bureau of Labor Statistics SOC Code 51-8031, "Local Government - Water and Liquid Waste Treatment Plant and System Operators."

Exhibit 12: Monitoring Plan Costs for Systems
(Activity Completed in a Previous ICR Period)

Size Category	Number Systems Performing IDSE, SSS, or 40/30 Certification	Number of Systems Receiving Very Small System Waiver or Small NTNCWS	Number of Systems Adding Disinfection for the GWR Preparing Monitoring Plans	Hours to Prepare Stage 2 Monitoring Plan	Hours to Update Existing Stage 1 Monitoring Plan	Labor Cost	Total Cost	Total Burden (hours)	Total Burden (FTEs)
	A	B	C	D	E	F	G = F*((A+C)*D + B*E)	H = G/F	I = H/2080
Surface Water and Mixed CWSs									
<500	1,579	1,444	-	5	-	$ 34.59	$ 273,026	7,893	3.8
500-3,300	3,667	-	-	5	8	$ 34.59	$ 634,279	18,336	8.8
3,301-9,999	2,214	-	-	5	8	$ 34.59	$ 382,933	11,070	5.3
10,000-49,999	1,986	-	-	10	8	$ 34.59	$ 686,997	19,860	9.5
50,000-249,999	629	-	-	10	8	$ 34.59	$ 217,584	6,290	3.0
250,000-999,999	105	-	-	20	8	$ 34.59	$ 72,643	2,100	1.0
1,000,000-4,999,999	22	-	-	40	8	$ 34.59	$ 30,441	880	0.4
≥5,000,000	1	-	-	40	8	$ 34.59	$ 1,384	40	0.0
National Totals	**10,203**	**1,444**	**-**				**$ 2,299,287**	**66,469**	**32.0**
Disinfecting Ground Water Only CWSs									
<500	838	15,027	793	5	-	$ 34.59	$ 281,999	8,152	3.9
500-9,999	10,274	-	237	5	2	$ 34.59	$ 1,817,958	52,554	25.3
10,000-99,999	1,375	-	11	10	2	$ 34.59	$ 479,377	13,858	6.7
100,000-499,999	52	-	2	15	2	$ 34.59	$ 27,880	806	0.4
> 500,000	6	-	0	20	2	$ 34.59	$ 4,402	127	0.1
National Totals	**12,545**	**15,027**	**1,042**				**$ 2,611,615**	**75,498**	**36.3**
Surface Water and Mixed NTNCWSs									
<500	-	589	-	5	-	$ 34.59	$ -	-	-
500-3,300	-	189	-	5	2	$ 34.59	$ 13,083	378	0.2
3,301-9,999	-	53	-	5	2	$ 34.59	$ 3,667	106	0.1
10,000-49,999	6	-	-	10	2	$ 34.59	$ 2,076	60	0.0
50,000-249,999	2	-	-	10	2	$ 34.59	$ 692	20	0.0
250,000-999,999	-	-	-	15	2	N/A	$ -	-	-
1,000,000-4,999,999	-	-	-	20	2	N/A	$ -	-	-
≥5,000,000	-	-	-	30	2	N/A	$ -	-	-
National Totals	**8**	**831**	**-**				**$ 19,517**	**564**	**0.3**
Disinfecting Ground Water Only NTNCWSs									
<500	-	6,174	1,241	5	-	$ 34.59	$ 214,658	6,205	3.0
500-9,999	-	1,125	268	5	2	$ 34.59	$ 124,134	3,589	1.7
10,000-99,999	4	-	1	10	2	$ 34.59	$ 1,942	56	0.0
100,000-499,999	-	-	0	15	2	$ 34.59	$ 61	2	0.0
> 500,000	-	-	-	20	2	N/A	$ -	-	-
National Totals	**4**	**7,300**	**1,510**				**$ 340,795**	**9,852**	**4.7**
Grand Totals	**22,760**	**24,602**	**2,552**				**$ 5,271,215**	**152,382**	**73.3**

Notes: Detail may not add due to rounding.

Shaded areas represent systems that are not subject to IDSE requirements.

1 FTE=2,080 hours (40 hours/week; 52 weeks/year).

Burden estimates take into account the results of previous consultations with water industry representatives.

Sources: (A) Exhibits 8a and 8b, sum of columns E-G.

(B) From Exhibit 8a and 8b, column A (for NTNCWSs <10,000) or column A multiplied by column B (for CWSs <500)

(C), (D) Labor hours assumed to take one half the hours required to prepare the IDSE report.

(E) Labor rates from 2013 Bureau of Labor Statistics SOC Code 51-8031, "Local Government - Water and Liquid Waste Treatment Plant and System Operators."

Exhibit 13a: System Costs for Additional Routine Monitoring

Size Category	Stage 1 Sampling					Stage 2 Sampling	
	Total Systems	Plants Per System	Total Plants	Routine Samples Per Plant	Total Stage 1 Samples	Routine Samples Per System	Total Stage 2 Samples
	A	B	C=A*B	D	E = C*D	F	G
Subpart H and Mixed CWSs							
<500	3,022	1.0	3,172	1	3,172	1	3,022
500-3,300	3,667	1.0	3,704	4	14,816	4	14,669
3,301-9,999	2,214	1.1	2,368	4	9,474	8	17,712
10,000-49,999	1,986	1.1	2,145	16	34,314	16	31,776
50,000-249,999	629	1.4	864	16	13,830	32	20,128
250,000-999,999	105	1.7	178	16	2,844	48	5,040
1,000,000-4,999,999	22	3.7	81	16	1,291	64	1,408
≥5,000,000	1	3.7	4	16	59	80	80
National Totals	**11,647**		**12,515**		**79,800**		**93,835**
100% Ground Water CWSs (Disinfecting)							
<500	15,865	1.1	18,016	1	18,016	1	15,865
500-9,999	10,274	1.7	17,743	1	17,743	2	20,548
10,000-99,999	1,375	3.8	5,209	4	20,837	16	22,001
100,000-499,999	52	12.3	637	4	2,550	24	1,249
> 500,000	6	12.3	77	4	308	32	201
National Totals	**27,572**		**41,682**		**59,453**		**59,864**
Subpart H and Mixed NTNCWSs							
<500	589	1.0	589	1	589	1	589
500-3,300	189	1.0	189	4	756	4	756
3,301-9,999	53	1.0	53	4	212	8	424
10,000-49,999	6	1.0	6	16	96	16	96
50,000-249,999	2	1.0	2	16	32	32	64
250,000-999,999	-	1.0	-	16	-	48	-
1,000,000-4,999,999	-	1.0	-	16	-	64	-
≥5,000,000	-	1.0	-	16	-	80	-
National Totals	**839**		**839**		**1,685**		**1,929**
100% Ground Water NTNCWSs (Disinfecting)							
<500	6,174	1.0	6,174	1	6,174	1	6,174
500-9,999	1,125	1.0	1,125	1	1,125	2	2,251
10,000-99,999	4	1.0	4	4	17	16	69
100,000-499,999	-	1.0	-	4	-	24	-
> 500,000	-	1.0	-	4	-	32	-
National Totals	**7,304**		**7,304**		**7,317**		**8,494**
Grand Totals	**47,362**		**62,341**		**148,255**		**164,122**

Notes: 1) Detail may not added due to rounding.

2) Systems will incur routine monitoring costs only for sites and samples that are required beyond those required under the Stage 1 DBPR (i.e., systems that, as a result of the IDSE, only move sample sites will incur no additional costs).

3) 1 FTE = 2,080 hours (40 hours/week; 52 weeks/year).

4) Burden estimates take into account the results of the May 2015 consultations with water industry representatives.

Sources: (A) From Exhibits 8a and 8b, column A.

(B) Number of plants per system based analysis of data from 2006 CWSS.

(D) Routine samples per plant from the 1998 Stage 1 Rule.

(F) Number of routine samples per system based on Stage 2 rule requirements (population-based approach). Number of samples may be less for SW systems serving < 5,000 and GW systems serving < 500 if high TTHM and HAA5 locations are the same.

Exhibit 13a: System Costs for Additional Routine Monitoring, continued

Size Category	Total Additional Samples Required for Stage 2 Monitoring	Hours per Sample	Percent of Systems with Separate TTHM and HAA5 Sites	Sampling Cost per Labor Hour	Cost per Sample	Total Labor Cost	Additional Labor Costs for Systems with Two Sites	Total O&M Cost	Annual Total Cost	Annual Total Burden (Hours)	Annual Total Burden (FTEs)
	H = G- E	I	J	K	L	M = H*I*K	N = I*J*K*A	O = H*L	P = M+N+O	Q = (M+N)/K	R = Q/2080
Subpart H and Mixed CWSs											
<500	(149)	1.5	32%	$ 34.59	$ 304	$ (7,749)	$ 49,483	$ (45,379)	$ (3,645)	1,206	0.6
500-3,300	(147)	1.5	30%	$ 34.59	$ 304	$ (7,644)	$ 56,349	$ (44,764)	$ 3,941	1,408	0.7
3,301-9,999	8,238	1.5	0%	$ 34.59	$ 304	$ 427,458	$ -	$ 2,503,204	$ 2,930,662	12,357	5.9
10,000-49,999	(2,538)	1.5	0%	$ 34.59	$ 266	$ (131,691)	$ -	$ (674,785)	$ (806,476)	(3,807)	(1.8)
50,000-249,999	6,298	1.5	0%	$ 34.59	$ 266	$ 326,777	$ -	$ 1,674,408	$ 2,001,184	9,447	4.5
250,000-999,999	2,196	1.5	0%	$ 34.59	$ 266	$ 113,932	$ -	$ 583,788	$ 697,719	3,294	1.6
1,000,000-4,999,999	117	1.5	0%	$ 34.59	$ 266	$ 6,088	$ -	$ 31,196	$ 37,284	176	0.1
≥5,000,000	21	1.5	0%	$ 34.59	$ 266	$ 1,107	$ -	$ 5,672	$ 6,779	32	0.0
National Totals	**14,036**					**$ 728,278**	**$ 105,832**	**$ 4,033,339**	**$ 4,867,449**	**24,113**	**11.6**
100% Ground Water CWSs (Disinfecting)											
<500	(2,151)	1.5	2%	$ 34.59	$ 304	$ (111,618)	$ 17,598	$ (653,636)	$ (747,656)	(2,718)	(1.3)
500-9,999	2,805	1.5	0%	$ 34.59	$ 304	$ 145,571	$ -	$ 852,469	$ 998,040	4,208	2.0
10,000-99,999	1,164	1.5	0%	$ 34.59	$ 266	$ 60,403	$ -	$ 309,504	$ 369,906	1,746	0.8
100,000-499,999	(1,301)	1.5	0%	$ 34.59	$ 266	$ (67,507)	$ -	$ (345,907)	$ (413,414)	(1,952)	(0.9)
> 500,000	(107)	1.5	0%	$ 34.59	$ 266	$ (5,541)	$ -	$ (28,390)	$ (33,931)	(160)	(0.1)
National Totals	**411**					**$ 21,308**	**$ 17,598**	**$ 134,039**	**$ 172,946**	**1,125**	**0.5**
Subpart H and Mixed NTNCWSs											
<500	0	1.5	0%	$ 34.59	$ 304	$ -	$ -	$ -	$ -	0	0.0
500-3,300	0	1.5	0%	$ 34.59	$ 304	$ -	$ -	$ -	$ -	0	0.0
3,301-9,999	212	1.5	0%	$ 34.59	$ 304	$ 11,000	$ -	$ 64,418	$ 75,418	318	0.2
10,000-49,999	0	1.5	0%	$ 34.59	$ 266	$ -	$ -	$ -	$ -	0	0.0
50,000-249,999	32	1.5	0%	$ 34.59	$ 266	$ 1,660	$ -	$ 8,508	$ 10,168	48	0.0
250,000-999,999	0	1.5	0%	N/A	$ 266	$ -	$ -	$ -	$ -	0	0.0
1,000,000-4,999,999	0	1.5	0%	N/A	$ 266	$ -	$ -	$ -	$ -	0	0.0
≥5,000,000	0	1.5	0%	N/A	$ 266	$ -	$ -	$ -	$ -	0	0.0
National Totals	**244**					**$ 12,661**	**$ -**	**$ 72,926**	**$ 85,586**	**366**	**0.2**
100% Ground Water NTNCWSs (Disinfecting)											
<500	0	1.5	0%	$ 34.59	$ 304	$ -	$ -	$ -	$ -	0	0.0
500-9,999	1,125	1.5	0%	$ 34.59	$ 304	$ 58,395	$ -	$ 341,961	$ 400,356	1,688	0.8
10,000-99,999	52	1.5	0%	$ 34.59	$ 266	$ 2,682	$ -	$ 13,742	$ 16,423	78	0.0
100,000-499,999	0	1.5	0%	$ 34.59	$ 266	$ -	$ -	$ -	$ -	0	0.0
> 500,000	0	1.5	0%	N/A	$ 266	$ -	$ -	$ -	$ -	0	0.0
National Totals	**1,177**					**$ 61,077**	**$ -**	**$ 355,703**	**$ 416,779**	**1,766**	**0.8**
Grand Totals	**15,867**					**$ 823,324**	**$ 123,431**	**$ 4,596,006**	**$ 5,542,761**	**27,369**	**13.2**

Notes: 1) Detail may not added due to rounding.

2) Systems will incur routine monitoring costs only for sites and samples that are required beyond those required under the Stage 1 DBPR (i.e., systems that, as a result of the IDSE, only move sample sites will incur no additional costs).

3) FTE = 2,080 hours (40 hours/week; 52 weeks/year).

4) Burden estimates take into account the results of the May 2015 consultations with water industry representatives.

5) Columns N and O for SW < 3,300 and GW < 500 add in an hour extra sampling time for systems which only take 1 dual sample but at two different sites. This additional labor is calculated by A*K*L

Sources: (H), (M), (N), (O), (P) The number of samples required may decrease for some systems in the transition from the Stage 1 to Stage 2 DBPR, resulting in a cost savings.

(I) Labor hours per sample reflects EPA estimate.

(J) Estimated percent of systems that will have only one sampling site because their high TTHM and HAA5 site occur at the same location based on analysis of Information Collection Rule data from 4 distribution system locations .

(K) Labor rates from 2013 Bureau of Labor Statistics SOC Code 51-8031, "Local Government - Water and Liquid Waste Treatment Plant and System Operators."

(L) Laboratory cost for TTHM and HAA5 analyses per sample based on costs incurred for the Information Collection Rule. $11 shipping is added for large systems as many large systems have in-house capacity and will not have to ship. $45 is added for small systems because of higher shipping charges and fewer samples (no bulk discounts) and because fewer small systems have in-house labs. Laboratory costs per sample are inflated to 2013$.

Exhibit 13b: System Costs for Routine Monitoring for Systems Adding Disinfection to Comply with the GWR

Size Category	Number of Systems Increasing Disinfectant Dose for GWR	Increased Number of Samples per System from Stage 1 DBPR to Stage 2 DBPR (for systems adding disinfection)	Hours Per Sample	Sampling Cost Per Labor Hour	Cost Per Sample	Total Costs	Total Burden (Hours)	Total Burden (FTEs)
	A	B	C	D	E	F = A*B*(C*D+E)	G = A*B*C	H = G/2080
Surface Water and Mixed CWSs								
<500	-	1	1.5	$ 34.59	$ 304	$ -	-	-
500-3,300	-	4	1.5	$ 34.59	$ 304	$ -	-	-
3,301-9,999	-	8	1.5	$ 34.59	$ 304	$ -	-	-
10,000-49,999	-	16	1.5	$ 34.59	$ 266	$ -	-	-
50,000-249,999	-	32	1.5	$ 34.59	$ 266	$ -	-	-
250,000-999,999	-	48	1.5	$ 34.59	$ 266	$ -	-	-
1,000,000-4,999,999	-	64	1.5	$ 34.59	$ 266	$ -	-	-
≥5,000,000	-	80	1.5	$ 34.59	$ 266	$ -	-	-
National Totals	**-**					**$ -**	**-**	**-**
Disinfecting Ground Water Only CWSs								
<500	793	1	1.5	$ 34.59	$ 304	$ 282,079	1,189	0.57
500-9,999	237	2	1.5	$ 34.59	$ 304	$ 168,402	710	0.34
10,000-99,999	11	16	1.5	$ 34.59	$ 266	$ 54,669	258	0.12
100,000-499,999	2	24	1.5	$ 34.59	$ 266	$ 12,952	61	0.03
> 500,000	0	32	1.5	$ 34.59	$ 266	$ 849	4	0.00
National Totals	**1,042**					**$ 518,952**	**2,223**	**1.07**
Surface Water and Mixed NTNCWSs								
<500	-	1	1.5	$ 34.59	$ 304	$ -	-	-
500-3,300	-	4	1.5	$ 34.59	$ 304	$ -	-	-
3,301-9,999	-	8	1.5	$ 34.59	$ 304	$ -	-	-
10,000-49,999	-	16	1.5	$ 34.59	$ 266	$ -	-	-
50,000-249,999	-	32	1.5	$ 34.59	$ 266	$ -	-	-
250,000-999,999	-	48	1.5	N/A	$ 266	$ -	-	-
1,000,000-4,999,999	-	64	1.5	N/A	$ 266	$ -	-	-
≥5,000,000	-	80	1.5	N/A	$ 266	$ -	-	-
National Totals	**-**					**$ -**	**-**	**-**
Disinfecting Ground Water Only NTNCWSs								
<500	1,241	1	1.5	$ 34.59	$ 304	$ 441,509	1,862	0.90
500-9,999	268	2	1.5	$ 34.59	$ 304	$ 190,354	803	0.39
10,000-99,999	1	16	1.5	$ 34.59	$ 266	$ 6,648	31	0.02
100,000-499,999	0	24	1.5	$ 34.59	$ 266	$ 904	4	0.00
> 500,000	-	32	1.5	N/A	$ 266	$ -	-	0.00
National Totals	**1,510**					**$ 639,414**	**2,700**	**1.30**
Grand Totals	**2,552**					**$ 1,158,366**	**4,923**	**2.37**

Note: Burden estimates take into account the results of the May 2015 consultations with water industry representatives.

(A) Best estimate based on proposed Ground Water Rule.

(B) From Exhibit 13a, column F.

(C) Labor hours per sample reflects EPA estimate.

(D) Labor rates from 2013 Bureau of Labor Statistics SOC Code 51-8031, "Local Government - Water and Liquid Waste Treatment Plant and System Operators."

(E) Laboratory cost for TTHM and HAA5 analyses per sample based on costs incurred for the Information Collection Rule. $11 shipping is added for large systems as many large systems have in-house capacity and will not have to ship. $45 is added for small systems because of higher shipping charges and fewer samples (no bulk discounts) and because fewer small systems have in-house labs. Laboratory costs per sample are inflated to 2013$.

Exhibit 13c: Total System Costs for Routine Monitoring

Size Category	Total Additional Compliance Samples per Year	Total Labor Costs	Total Sampling Costs	Total Costs	Total Burden (Hours)	Total Burden (FTEs)
	A	B	C	D = B+C	E	F= E/2080
Surface Water and Mixed CWSs						
<500	(149)	$ 41,734	$ (45,379)	$ (3,645)	1,206	0.6
500-3,300	(147)	$ 48,705	$ (44,764)	$ 3,941	1,408	0.7
3,301-9,999	8,238	$ 427,458	$ 2,503,204	$ 2,930,662	12,357	5.9
10,000-49,999	(2,538)	$ (131,691)	$ (674,785)	$ (806,476)	(3,807)	(1.8)
50,000-249,999	6,298	$ 326,777	$ 1,674,408	$ 2,001,184	9,447	4.5
250,000-999,999	2,196	$ 113,932	$ 583,788	$ 697,719	3,294	1.6
1,000,000-4,999,999	117	$ 6,088	$ 31,196	$ 37,284	176	0.1
≥5,000,000	21	$ 1,107	$ 5,672	$ 6,779	32	0.0
National Totals	**14,036**	**$ 834,110**	**$ 4,033,339**	**$ 4,867,449**	**24,113**	**11.6**
Disinfecting Ground Water Only CWSs						
<500	(1,358)	$ (52,876)	$ (412,700)	$ (465,577)	(1,529)	(0.7)
500-9,999	3,279	$ 170,134	$ 996,309	$ 1,166,443	4,918	2.4
10,000-99,999	1,336	$ 69,329	$ 355,245	$ 424,575	2,004	1.0
100,000-499,999	(1,260)	$ (65,392)	$ (335,070)	$ (400,462)	(1,890)	(0.9)
> 500,000	(104)	$ (5,402)	$ (27,680)	$ (33,082)	(156)	(0.1)
National Totals	**1,892**	**$ 115,793**	**$ 576,104**	**$ 691,897**	**3,347**	**1.6**
Surface Water and Mixed NTNCWSs						
<500	-	$ -	$ -	$ -	-	-
500-3,300	-	$ -	$ -	$ -	-	-
3,301-9,999	212	$ 11,000	$ 64,418	$ 75,418	318	0.2
10,000-49,999	-	$ -	$ -	$ -	-	-
50,000-249,999	32	$ 1,660	$ 8,508	$ 10,168	48	0.0
250,000-999,999	-	$ -	$ -	$ -	-	-
1,000,000-4,999,999	-	$ -	$ -	$ -	-	-
≥5,000,000	-	$ -	$ -	$ -	-	-
National Totals	**244**	**$ 12,661**	**$ 72,926**	**$ 85,586**	**366**	**0.2**
Disinfecting Ground Water Only NTNCWSs						
<500	1,241	$ 64,397	$ 377,112	$ 441,509	1,862	0.9
500-9,999	1,660	$ 86,159	$ 504,550	$ 590,710	2,491	1.2
10,000-99,999	73	$ 3,767	$ 19,304	$ 23,071	109	0.1
100,000-499,999	3	$ 148	$ 756	$ 904	4	0.0
> 500,000	-	$ -	$ -	$ -	-	-
National Totals	**2,977**	**$ 154,472**	**$ 901,722**	**$ 1,056,193**	**4,466**	**2.1**
Grand Totals	**19,149**	**$ 1,117,036**	**$ 5,584,091**	**$ 6,701,127**	**32,292**	**15.5**

Notes: (A) Shows the difference in total compliance monitoring samples from Stage 1 to Stage 2 for disinfecting systems and systems predicted to install disinfection for the GWR. For disinfecting systems, derived from Exhibit 13a, column H. For systems installing disinfection for the GWR, derived from Exhibit 13b, product of columns A and B. Note that the number of samples required may decrease in the transition from Stage 1 to Stage 2.

(B) Labor costs based on burden estimates that take into account the results of the May 2015 consultations with water industry representatives.

Sources: (A) Sum of column H from Exhibit 13a and column (A) times column (B) from Exhibit 13b

(B) - (E) Summed from Exhibits 13a - 13b.

Exhibit 14: Total Systems Costs for Operational Evaluations

Size Category	Estimated No. of Locations/yr that exceed Operational Evaluation Levels	Reporting Hours per Operational Evaluation	Cost per Labor Hour	Total Cost	Total Burden (Hours)	Total Burden (FTEs)
	A	B	C	D = A*B*C	E = A*B	F=E/2,080
Surface Water and Mixed CWSs						
<500	12	24	$ 34.59	$ 9,962	288	0.1
500-3,300	28	24	$ 34.59	$ 23,246	672	0.3
3,301-9,999	57	24	$ 34.59	$ 47,322	1,368	0.7
10,000-49,999	199	40	$ 34.59	$ 275,352	7,960	3.8
50,000-249,999	120	40	$ 34.59	$ 166,042	4,800	2.3
250,000-999,999	27	40	$ 34.59	$ 37,359	1,080	0.5
1,000,000-4,999,999	8	40	$ 34.59	$ 11,069	320	0.2
≥5,000,000	1	40	$ 34.59	$ 1,384	40	0.0
National Totals	**452**			**$ 571,737**	**16,528**	**7.9**
Disinfecting Ground Water Only CWSs						
<500	-	24	$ 34.59	$ -	-	-
500-9,999	-	24	$ 34.59	$ -	-	-
10,000-99,999	-	40	$ 34.59	$ -	-	-
100,000-499,999	-	40	$ 34.59	$ -	-	-
> 500,000	-	40	$ 34.59	$ -	-	-
National Totals	**-**			$ -	**-**	**-**
Surface Water and Mixed NTNCWSs						
<500	-	24	$ 34.59	$ -	-	-
500-3,300	-	24	$ 34.59	$ -	-	-
3,301-9,999	-	24	$ 34.59	$ -	-	-
10,000-49,999	-	40	$ 34.59	$ -	-	-
50,000-249,999	-	40	$ 34.59	$ -	-	-
250,000-999,999	-	40	N/A	$ -	-	-
1,000,000-4,999,999	-	40	N/A	$ -	-	-
≥5,000,000	-	40	N/A	$ -	-	-
National Totals	**-**			**$ -**	**-**	**-**
Disinfecting Ground Water Only NTNCWSs						
<500	-	24	$ 34.59	$ -	-	-
500-9,999	-	24	$ 34.59	$ -	-	-
10,000-99,999	-	40	$ 34.59	$ -	-	-
100,000-499,999	-	40	$ 34.59	$ -	-	-
> 500,000	-	40	N/A	$ -	-	-
National Totals	-			$ -	-	-
Grand Totals	**452**	**-**	**-**	**$ 571,737**	**16,528**	**7.9**

Notes: Detail may not add to totals due to independent rounding.
1 FTE = 2,080 hours (40 hours/week; 52 weeks/year).
(B) Burden estimates take into account the results of the May 2015 consultations with water industry representatives.

Sources: (A) Based on modeling performed with DBP occurrence data from the 1996 Information Collection Rule, as described in Exhibit H.10 of Appendix H of the Economic Analysis for the Stage 2 DBPR.
(B) Hours estimated by EPA to complete Operational Evaluations. EPA expects it to take less time for small systems given they have simpler distribution systems.
(C) Labor rates from 2013 Bureau of Labor Statistics SOC Code 51-8031, "Local Government - Water and Liquid Waste Treatment Plant and System Operators."

Exhibit 15: State Costs for Rule Implementation, IDSE, and Routine Monitoring

	Cost per Labor Hour	FTEs per State	Hours per State	Cost per State	National Total FTEs	National Total Hours	National Total Cost
	A	B	C=B*2,080	D=A*C	E=B*57	F=C*57	G=D*57
Implementation Activities							
Public Notification	$ 45.60	0.10	208	$ 9,485	5.7	11,856	$ 540,633.60
Regulation Adoption and Program Development	$ 45.60	1.00	2,080	$ 94,848	57.0	118,560	$ 5,406,336
Training State Staff	$ 45.60	0.25	520	$ 23,712	14.3	29,640	$ 1,351,584
Training PWS Staff and Technical Assistants	$ 45.60	1.00	2,080	$ 94,848	57.0	118,560	$ 5,406,336
Updating Data Management System	$ 45.60	0.25	520	$ 23,712	14.3	29,640	$ 1,351,584
Totals		**2.60**	**5,408**	**$ 246,605**	**148.2**	**308,256**	**$ 14,056,474**
Annual Routine Monitoring Activities							
Recordkeeping and Compliance Tracking	$ 45.60	0.40	832	$ 37,939	22.8	47,424	$ 2,162,534.40
Totals		**0.40**	**832**	**$ 37,939**	**22.8**	**47,424**	**$ 2,162,534**
Grand Totals		**3.00**	**6,240**	**284,544**	**171.0**	**355,680**	**16,219,008**

Notes: All states/primacy agencies are assumed to incur some costs for each activity.

Implementation and IDSE activities were completed during a previous ICR period.

Burden estimates for routine monitoring activities take into account the results of the May 2015 consultations with water industry representatives. Burden estimates for implementation activities take into account the results of previous consultations with water industry representatives.

Sources: (A) State labor rates based on 2013 Bureau of Labor Statistics SOC Code 19-2041, "State Government - Environmental Scientists and Specialists, Including Health."

(B) FTEs per State/Primacy Agency based on EPA experience with previous regulations.

Exhibit 16: State Costs for Monitoring Plans
(Activity Completed in a Previous ICR Period)

Size Category	Number of Systems Developing Monitoring Plan, by Category	Number of Hours to Review Each System's Monitoring Plan	Average State Employee Hourly Wage	Average Total Costs to States	Average Total Costs per State	Total Burden
	A	B	C	D = A*B*C	E = D/57	F = A*B
Surface Water and Mixed CWSs						
<500	1,579	-	$ 45.60	$ -	$ -	-
500-3,300	3,667	-	$ 45.60	$ -	$ -	-
3,301-9,999	2,214	4	$ 45.60	$ 403,834	$ 7,085	8,856
10,000-49,999	1,986	8	$ 45.60	$ 724,493	$ 12,710	15,888
50,000-249,999	629	8	$ 45.60	$ 229,459	$ 4,026	5,032
250,000-999,999	105	8	$ 45.60	$ 38,304	$ 672	840
1,000,000-4,999,999	22	8	$ 45.60	$ 8,026	$ 141	176
≥5,000,000	1	8	$ 45.60	$ 365	$ 6	8
National Totals	**10,203**			**$ 1,404,480**	**$ 24,640.00**	**30,800**
Ground Water Only CWSs						
<500	1,630	-	$ 45.60	$ -	$ -	-
500-9,999	10,511	-	$ 45.60	$ -	$ -	-
10,000-99,999	1,386	-	$ 45.60	$ -	$ -	-
100,000-499,999	54	-	$ 45.60	$ -	$ -	-
> 500,000	6	-	$ 45.60	$ -	$ -	-
National Totals	**13,587**			**$ -**	**$ -**	**-**
Surface Water and Mixed NTNCWSs						
<500	-	-	$ 45.60	$ -	$ -	-
500-3,300	-	-	$ 45.60	$ -	$ -	-
3,301-9,999	-	4	$ 45.60	$ -	$ -	-
10,000-49,999	6	8	$ 45.60	$ 2,189	$ 38	48
50,000-249,999	2	8	$ 45.60	$ 730	$ 13	16
250,000-999,999	-	8	$ 45.60	$ -	$ -	-
1,000,000-4,999,999	-	8	$ 45.60	$ -	$ -	-
≥5,000,000	-	8	$ 45.60	$ -	$ -	-
National Totals	**8**			**$ 2,918**	**$ 51**	**64**
Disinfecting Ground Water Only NTNCWSs						
<500	1,241	-	$ 45.60	$ -	$ -	-
500-9,999	268	-	$ 45.60	$ -	$ -	-
10,000-99,999	6	-	$ 45.60	$ -	$ -	-
100,000-499,999	0	-	$ 45.60	$ -	$ -	-
> 500,000	-	-	$ 45.60	$ -	$ -	-
National Totals	**1,514**			**$ -**	**$ -**	**-**
Grand Totals	**25,312**			**$ 1,407,398**	**$ 24,691**	**30,864**

Sources:

[A] From column A in Exhibit 12

[B] Burden estimates based on EPA experience with other regulations, and take into account the results of previous consultations with water industry representatives.

[C] State labor rates based on 2013 Bureau of Labor Statistics SOC Code 19-2041, "State Government - Environmental Scientists and Specialists, Including Health."

Exhibit 17: State IDSE Costs
(Activity Completed in a Previous ICR Period)

Size Category	Number of Systems Conducting IDSE, by Category			Number of Hours to Work with Systems on IDSE and Review IDSE Reports			Average State Employee Hourly Wage	Average Total Costs to States	Average Total Costs per State	Total Burden	Average Burden/ State
	Standard Monitoring Program	System-Specific Study	40/30 Certification	Standard Monitoring Program	System-Specific Study	40/30 Certification					
	A	B	C	D	E	F	G	H = G*(A*D+B*E+C*F)	I = H / 57	J = A*D + B*E + C*F	K = J / 57
Surface Water and Mixed CWSs											
<500	1,579	-	-	4	12	0.5	$ 45.60	$ 287,927	$ 5,051	6,314	110.8
500-3,300	3,421	-	246	4	12	0.5	$ 45.60	$ 629,636	$ 11,046	13,808	242.2
3,301-9,999	2,042	-	172	4	12	0.5	$ 45.60	$ 376,382	$ 6,603	8,254	144.8
10,000-49,999	1,708	-	278	8	16	0.5	$ 45.60	$ 629,417	$ 11,042	13,803	242.2
50,000-249,999	513	28	88	8	16	0.5	$ 45.60	$ 209,578	$ 3,677	4,596	80.6
250,000-999,999	81	9	15	10	24	0.5	$ 45.60	$ 47,128	$ 827	1,034	18.1
1,000,000-4,999,999	17	2	3	12	32	0.5	$ 45.60	$ 12,289	$ 216	270	4.7
≥5,000,000	1	-	-	12	32	0.5	$ 45.60	$ 547	$ 10	12	0.2
National Totals	**9,362**	**39**	**802**					**$ 2,192,904**	**$ 38,472**	**48,090**	**843.7**
Ground Water Only CWSs											
<500	838	-	-	4	4	0.5	$ 45.60	$ 152,761	$ 2,680	3,350	58.8
500-9,999	1,930	-	8,344	4	4	0.5	$ 45.60	$ 542,305	$ 9,514	11,893	208.6
10,000-99,999	243	-	1,132	8	8	0.5	$ 45.60	$ 114,474	$ 2,008	2,510	44.0
100,000-499,999	16	2	34	8	8	0.5	$ 45.60	$ 7,353	$ 129	161	2.8
> 500,000	1	-	5	12	16	0.5	$ 45.60	$ 814	$ 14	18	0.3
National Totals	**3,028**	**2**	**9,515**					**$ 817,708**	**$ 14,346**	**17,932**	**314.6**
Surface Water and Mixed NTNCWSs											
<500	-	-	-	-	-	-	$ -	$ -	$ -	-	-
500-3,300	-	-	-	-	-	-	$ -	$ -	$ -	-	-
3,301-9,999	-	-	-	-	-	-	$ -	$ -	$ -	-	-
10,000-49,999	5	-	1	8	8	0.5	$ 45.60	$ 1,847	$ 32	41	0.7
50,000-249,999	2	-	-	8	8	0.5	$ 45.60	$ 730	$ 13	16	0.3
250,000-999,999	-	-	-	10	12	0.5	$ 45.60	$ -	$ -	-	-
1,000,000-4,999,999	-	-	-	12	16	0.5	$ 45.60	$ -	$ -	-	-
≥5,000,000	-	-	-	12	16	0.5	$ 45.60	$ -	$ -	-	-
National Totals	**7**	**-**	**1**					**$ 2,576**	**$ 45**	**57**	**1.0**
Disinfecting Ground Water Only NTNCWSs											
<500	-	-	-	-	-	-	$ -	$ -	$ -	-	-
500-9,999	-	-	-	-	-	-	$ -	$ -	$ -	-	-
10,000-99,999	0	-	4	8	8	0.5	$ 45.60	$ 254	$ 4	6	0.1
100,000-499,999	-	-	-	8	8	0.5	$ 45.60	$ -	$ -	-	-
> 500,000	-	-	-	12	16	0.5	$ 45.60	$ -	$ -	-	-
National Totals	**0**	**-**	**4**					**$ 254**	**$ 4**	**6**	**0.1**
Grand Totals	**12,397**	**41**	**10,322**					**$ 3,013,442**	**$ 52,867**	**66,084**	**1,159.4**

Sources:

A, B, C From columns E, F, and G in Exhibits 8a and 8b

D, E, F Burden estimates based on EPA experience with other regulations, and take into account the results of previous consultations with water industry representatives.

Exhibit 18: State Operational Evaluation Costs

Size Category	Number of Operational Evaluation Level Exceedances per Year	Number of Hours to Review Operational Evaluations per System	Average State Employee Hourly Wage	Average Total Costs to States	Average Total Costs per State	Total Burden
	A	B	C	D = A*B*C	E = D/57	F = A*B
Surface Water and Mixed CWSs						
<500	12	4	$ 45.60	$ 2,189	$ 38	48
500-3,300	28	6	$ 45.60	$ 7,661	$ 134	168
3,301-9,999	57	6	$ 45.60	$ 15,595	$ 274	342
10,000-49,999	199	8	$ 45.60	$ 72,595	$ 1,274	1,592
50,000-249,999	120	8	$ 45.60	$ 43,776	$ 768	960
250,000-999,999	27	8	$ 45.60	$ 9,850	$ 173	216
1,000,000-4,999,999	8	8	$ 45.60	$ 2,918	$ 51	64
≥5,000,000	1	8	$ 45.60	$ 365	$ 6	8
National Totals	**452**			**$ 154,949**	**$ 2,718**	**3,398**
Ground Water Only CWSs						
<500	-	4	$ 45.60	$ -	$ -	-
500-9,999	-	6	$ 45.60	$ -	$ -	-
10,000-99,999	-	8	$ 45.60	$ -	$ -	-
100,000-499,999	-	8	$ 45.60	$ -	$ -	-
> 500,000	-	8	$ 45.60	$ -	$ -	-
National Totals	**-**			**$ -**	**$ -**	**-**
Surface Water and Mixed NTNCWSs						
<500	-	4	$ 45.60	$ -	$ -	-
500-3,300	-	6	$ 45.60	$ -	$ -	-
3,301-9,999	-	6	$ 45.60	$ -	$ -	-
10,000-49,999	-	8	$ 45.60	$ -	$ -	-
50,000-249,999	-	8	$ 45.60	$ -	$ -	-
250,000-999,999	-	8	$ 45.60	$ -	$ -	-
1,000,000-4,999,999	-	8	$ 45.60	$ -	$ -	-
≥5,000,000	-	8	$ 45.60	$ -	$ -	-
National Totals	**-**			**$ -**	**$ -**	**-**
Disinfecting Ground Water Only NTNCWSs						
<500	-	4	$ 45.60	$ -	$ -	-
500-9,999	-	6	$ 45.60	$ -	$ -	-
10,000-99,999	-	8	$ 45.60	$ -	$ -	-
100,000-499,999	-	8	$ 45.60	$ -	$ -	-
> 500,000	-	8	$ 45.60	$ -	$ -	-
National Totals	**-**			**$ -**	**$ -**	**-**
Grand Totals	**452**			**$ 154,949**	**$ 2,718**	**3,398**

Sources:

[A] From column A in Exhibit 14.

[B] Burden estimates based on EPA experience with other regulations and take into account the results of the May 2015 consultations with water industry representatives.

[C] State labor rates based on 2013 Bureau of Labor Statistics SOC Code 19-2041, "State Government - Environmental Scientists and Specialists, Including Health."

Exhibit 19
Stage 2 DBPR - Summary of Original and Revised Burden Estimates

No changes in burden estimates based on May 2015 consultations.

Appendix D

Chemical Phase Regulation Spreadsheets

Exhibit 1a - Chemical Phase Rules PWS Burden and Cost Summary

Requirement	Avg. Annual Respondents	Avg. Annual Responses	Annual Burden	Annual Burden (Labor) Cost	Annual O&M Cost	Annual Capital Cost
Monitoring	137,498	507,063	356,602	$12,335,586	$73,982,665	N/A
Total	**137,498**	**507,063**	**356,602**	**$12,335,586**	**$73,982,665**	**N/A**

Exhibit 1b - Chemical Phase Rules Primacy Agency Burden and Cost Summary

Requirement	Avg. Annual Respondents	Avg. Annual Responses	Annual Burden	Annual Burden (Labor) Cost	Annual O&M Cost	Annual Capital Cost
Reporting and Recordkeeping	57	549,992	1,354,532	$61,766,659	N/A	N/A
Total	**57**	**549,992**	**1,354,532**	**$61,766,659**	**N/A**	**N/A**

Note: State burden is based on original State Workload Model, minus 28,210 hours associated with arsenic. This burden is assumed to remain the same from year to year and does not fluctuate with the number of responses.

Exhibit 2 - Monitoring Summary

Compound	Annual Burden Hours	Annual Cost			Annual Responses
		Labor Cost	O&M	Total Cost	
Phase I					
Phase I VOCs	115,472	$ 3,994,417	$ 4,987,116	$ 8,981,534	45,213
Phase II					
Arsenic*					
Asbestos	6,591	$ 227,988	$ 1,275,044	$ 1,503,031	2,063
Cadmium	13,532	$ 468,113	$ 392,695	$ 860,807	21,132
Chromium	13,532	$ 468,113	$ 392,695	$ 860,807	21,132
Fluoride	14,435	$ 499,352	$ 418,901	$ 918,253	22,561
Mercury	13,315	$ 460,605	$ 858,660	$ 1,319,265	20,784
Nitrate	83,917	$ 2,902,863	$ 2,705,757	$ 5,608,620	145,335
Nitrite	953	$ 32,956	$ 20,479	$ 53,435	1,100
Selenium	13,013	$ 450,156	$ 839,181	$ 1,289,338	20,311
Subtotal: Phase II IOCs	159,290	$ 5,510,145	$ 6,903,411	$ 12,413,556	254,418
Phase II VOCs	-	$ -	$ 8,934,804	$ 8,934,804	28,917
Phase II SOCs	27,097	$ 937,347	$ 31,453,216	$ 32,390,562	20,811
Phase IIb					
Barium	13,066	$ 451,995	$ 379,174	$ 831,168	20,390
Pentachlorophenol	-	$ -	$ -	$ -	7,369
Phase V					
Adipates, Phthalates	13,716	$ 474,448	$ 6,633,491	$ 7,107,939	21,056
PAH Benzo(a)pyrene	-	$ -	$ 2,128,001	$ 2,128,001	6,408
Dioxin	6,362	$ 220,079	$ 9,231,110	$ 9,451,189	4,835
Diquat, Endothall, Glyphosate	3,342	$ 115,599	$ 2,154,997	$ 2,270,596	4,900
Oxamyl	-	$ -	$ -	$ -	6,102
Dinoseb	-	$ -	$ -	$ -	6,426
Endrin, hexachloro-benzene, and hexachlorocyclopentadiene	-	$ -	$ -	$ -	6,407
Dalapon	-	$ -	$ -	$ -	-
Picloram	-	$ -	$ -	$ -	-
Simazine	-	$ -	$ -	$ -	-
Subtotal: Phase V SOCs	23,419	$ 810,126	$ 20,147,599	$ 20,957,725	56,134
Phase V VOCs	-	$ -	$ -	$ -	45,213
Phase V IOCs, except sulfate	18,257	$ 631,556	$ 1,177,346	$ 1,808,902	28,599
Grand Total	**356,602**	**$ 12,335,586**	**$ 73,982,665**	**$ 86,318,251**	**507,063**

*Now considered separately in the Arsenic Rule

Exhibit 3 - Number of Non-Purchased Systems

Size Category	Number of Non-Purchased Systems							
	CWSs		NTNCWSs		CWSs + NTNCWSs		TNCWSs (nitrate & nitrite only)	
	A		B		C=A+B		D	
	GW	SW	GW	SW	GW	SW	GW	SW
0-100	10,874	436	8,218	122	19,092	558	56,367	611
101-500	12,414	620	6,188	145	18,602	765	19,155	356
501-1,000	3,886	323	1,519	51	5,405	374	2,012	68
1,001-3,300	5,109	927	770	32	5,879	959	536	42
3,301-10,000	2,547	979	90	15	2,637	994	66	17
10,001-50,000	1,305	987	7	0	1,312	987	8	0
50,001-100,000	146	221	0	0	146	221	1	0
100,001-1,000,000	63	245	0	0	63	245	0	0
>1,000,000	2	18	0	0	2	18	0	0
Total	36,346	4,756	16,792	365	53,138	5,121	78,145	1,094

Source: SDWIS/FED Data from October 2014

Note: Source was not specified for some systems. These PWSs were assigned to SW or GW categories based on the ratio of SW to GW systems within a given size category.

Exhibit 4 - Sampling Points

Size Category	Number of Entry Points per System		Number of Composited Sampling Points per System	
	GW	SW	GW	SW
	A	B	≤10K: C = (A*0.5)+(1*0.5) >10K: C = A	≤10K: D = (B*0.5)+(1*0.5) >10K: D = B
0-100	1.09	1.07	1.05	1.04
101-500	1.22	1.12	1.11	1.06
501-1,000	1.58	1.32	1.29	1.16
1001-3,300	1.86	1.28	1.43	1.14
3301-10,000	2.19	1.26	1.60	1.13
10,001-50,000	3.53	1.58	3.53	1.58
50,001-100,000	9.42	1.98	9.42	1.98
100,001-1,000,000	12.56	3.30	12.56	3.30
>1,000,000	12.56	3.30	12.56	3.30

Sources/Assumptions:

Entry pts: Based on an analysis of data from the 2006 Community Water System Survey. Includes both treated and untreated entry points.

Compositing: Assumed that 50% of systems serving ≤10,000 people will composite all of their samples. EPA experience regarding large systems (serving >10,000 people) is that they generally do not composite samples.

Exhibit 5 - Burden by Chemical

Compound	Hrs. Per Sample	$ Per sample	Reference	Comments
Phase I				
Phase I VOCs	2.0	$86	1993 PWSS Program ICR	Includes 1-1-Dichloroethylene, 1,1,1-Trichloroethane, 1,2-Dichloroethane, Benzene, Carbon tetrachloride, p-Dichlorobenzene, Trichloroethylene, Vinyl Chloride. Burden hours based on burden per response in the 1990 and 1993 PWSS Program ICRs. Cost per sample based 1993 ICR total cost/total annual responses.
Phase II				
Arsenic	0.0	$0		Burden is now covered under the Arsenic Rule
Asbestos	2.5	$484	p. 24	
Cadmium	0.5	$15	pp. 24, a-23, a-8	
Chromium	0.5	$15	pp. 24, a-33	
Fluoride	0.5	$15	Assumption	Assumed to impose burden similar to other IOCs.
Mercury	0.5	$32	pp. 24, a-43	
Nitrate	0.5	$16	pp. 24, a-53	
Nitrite	0.75	$16	pp. 24, a-87	
Selenium	0.5	$32	pp. 24, a-97	
Phase II VOCs	0.0	$242	pp. 24, b-20	Includes cis-1,2,-Dichloroethylene, Monochlorobenzene, o-Dichlorobenzene, 1,2-Dichloropropane, Tetrachloroethylene, trans-1,2-Dichloroethylene, toluene, Ethylbenzene, Xylenes, Styrene
Phase II SOCs	1.0	$1,161	pp. 24, b-4	Includes Alachlor, Atrazine, Carbofuran, Chlordane, Dibromochloropropane, EDB, Acrylamide, Heptachlor, Heptachlorepoxide, Lindane, Methoxchlor, PCBs, Toxaphene, 2,4-D, 2,4,5-TP(silvex), Epichlorohydrin
Phase IIb				
Barium	0.5	$15	p. III	Originally under Phase II
Pentachlorophenol	0.0	$0	p. 15	No incremental burden above Phase II SOCs
Phase V				
Adipates, Phthalates	0.5	$242	pp. 20, A-48	
PAH Benzo(a)pyrene	0.0	$242	pp. 20, A-37	
Dioxin	1.0	$1,451	p. 20, p. A-26	
Phase V VOCs	0.0	$0	p. 20	Includes Dichloromethane and 1,1,2-Trichloroethane. No incremental burden above Phase II VOCs.
Phase V IOCs, except sulfate	0.5	$32	p. A-2	Includes Antimony, Beryllium, Cyanide, Nickel, Thallium.
Diquat, Endothall, Glyphosate	0.5	$322	p. A-20	
Oxamyl	0	$0	p. 20	No incremental burden above Phase II SOCs
Dinoseb	0	$0	p. 20	No incremental burden above Phase II SOCs since use patterns and analytical methods are the same as those used for 2,4-D and 2,4,5-TP (silvex)
Endrin, hexachloro-benzene, and hexachlorocyclopentadiene	0	$0	p. 20	Assumes that no systems would be vulnerable after compliance w/ Phase II. Note that this may be an underestimate because they were present in the National Pesticide Survey.
Dalapon	0	$0	p. 20	No incremental burden above Phase II SOCs
Picloram	0	$0	p. 20	No incremental burden above Phase II SOCs
Simazine	0	$0	p. 20	No incremental burden above Phase II SOCs

Note:
1) Burden estimates are based on a conservative assumption that the following inorganics are separately tested: barium, cadmium, selenium, and chromium.
2) Burden estimates take into account the results of the May 2015 consultation with water industry representatives.
Sampling costs inflated from 1993 to 2013 dollars.

Exhibit 6 - Frequency

Compound	Trigger	Scenario 1 Below trigger & no waiver				Scenario 2 Below trigger & waiver				Scenario 3 Above MCL				Scenario 4 Above trigger & below MCL			
		GW		SW		GW		SW		GW		SW		GW		SW	
Phase I		≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300
Phase I VOCs	MDL	0.33	0.33	1	1	0.22	0.22	0.33	0.33	4	4	4	4	1.67	1.67	2.33	2.33
Phase II																	
Arsenic***	MCL																
Asbestos*	MCL	0.11	0.11	0.11	0.11	0	0	0	0	4	4	4	4				
Cadmium*	MCL	0.33	0.33	1	1	0.11	0.11	0.11	0.11	4	4	4	4				
Chromium*	MCL	0.33	0.33	1	1	0.11	0.11	0.11	0.11	4	4	4	4				
Fluoride*	MCL	0.33	0.33	1	1	0.11	0.11	0.11	0.11	4	4	4	4				
Mercury*	MCL	0.33	0.33	1	1	0.11	0.11	0.11	0.11	4	4	4	4				
Nitrate**	1/2 MCL	1	1	1	1					4	4	4	4	4	4	4	4
Nitrite**	1/2 MCL	0	0	0	0					4	4	4	4	4	4	4	4
Selenium*	MCL	0.33	0.33	1	1	0.11	0.11	0.11	0.11	4	4	4	4				
Phase II VOCs	MDL	0.33	0.33	1	1	0.22	0.22	0.33	0.33	4	4	4	4	1.67	1.67	2.33	2.33
Phase II SOCs	MDL	0.33	0.67	0.33	0.67	0	0	0	0	4	4	4	4	1.67	1.67	2.33	2.33
Phase IIb																	
Barium*	MCL	0.33	0.33	1	1	0.11	0.11	0.11	0.11	4	4	4	4				
Pentachlorophenol	MDL	0.33	0.67	0.33	0.67	0	0	0	0	4	4	4	4	1.67	1.67	2.33	2.33
Phase V																	
Adipates, Phthalates	MDL	0.33	0.67	0.33	0.67	0	0	0	0	4	4	4	4	1.67	1.67	2.33	2.33
PAH Benzo(a)pyrene	MDL	0.33	0.67	0.33	0.67	0	0	0	0	4	4	4	4	1.67	1.67	2.33	2.33
Dioxin	MDL	0.33	0.67	0.33	0.67	0	0	0	0	4	4	4	4	1.67	1.67	2.33	2.33
Phase V VOCs	MDL	0.33	0.33	1	1	0.22	0.22	0.33	0.33	4	4	4	4	1.67	1.67	2.33	2.33
Phase V IOCs, except sulfate*	MCL	0.33	0.33	1	1	0.11	0.11	0.11	0.11	4	4	4	4				
Diquat, Endothall, Glyphosate	MDL	0.33	0.67	0.33	0.67	0	0	0	0	4	4	4	4	1.67	1.67	2.33	2.33
Oxamyl	MDL	0.33	0.67	0.33	0.67	0	0	0	0	4	4	4	4	1.67	1.67	2.33	2.33
Dinoseb	MDL	0.33	0.67	0.33	0.67	0	0	0	0	4	4	4	4	1.67	1.67	2.33	2.33
Endrin, hexachloro-benzene, and hexachlorocyclopentadiene	MDL	0.33	0.67	0.33	0.67	0	0	0	0	4	4	4	4	1.67	1.67	2.33	2.33
Dalapon	MDL	0.33	0.67	0.33	0.67	0	0	0	0	4	4	4	4	1.67	1.67	2.33	2.33
Picloram	MDL	0.33	0.67	0.33	0.67	0	0	0	0	4	4	4	4	1.67	1.67	2.33	2.33
Simazine	MDL	0.33	0.67	0.33	0.67	0	0	0	0	4	4	4	4	1.67	1.67	2.33	2.33

* Because the MCL is the trigger for IOCs (except nitrate and nitrite), there is no "Scenario 4" in which the monitoring results are below the MCL but above the trigger.

**Waivers are not available for nitrate and nitrite.

***Now considered separately in the Arsenic Rule

Source: 40 CFR 141.23 & 141.24

Exhibit 7 - Waivers

Compound	Trigger	Statewide Waivers A: Percent of Systems Under the Trigger that Receive Statewide Waivers				System-Specific Waivers B: Percent of Systems Under the Trigger that Are Eligible for System-Specific Waivers				System-Specific Waivers C: Percent of Eligible Systems Assumed to Receive System-Specific Waivers Where Available**				System-Specific Waivers D=B*C: Total Percent of Eligible Systems Assumed to Receive System-Specific Waivers				E=A+D: Total Percent of Eligible Systems Assumed to Receive Waivers			
		GW		SW		GW		SW		GW		SW		GW		SW		GW		SW	
Phase I		≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300
Phase I VOCs	MDL	0.0%	0.0%	0.0%	0.0%	53.1%	53.1%	53.1%	53.1%	90.0%	90.0%	40.0%	40.0%	47.8%	47.8%	21.2%	21.2%	47.8%	47.8%	21.2%	21.2%
Phase II																					
Arsenic***	MCL																	0.0%	0.0%	0.0%	0.0%
Asbestos	MCL	30.5%	30.5%	30.5%	30.5%	61.6%	61.6%	61.6%	61.6%	90.0%	90.0%	40.0%	40.0%	55.4%	55.4%	24.6%	24.6%	85.9%	85.9%	55.1%	55.1%
Cadmium	MCL	0.0%	0.0%	0.0%	0.0%	22.2%	22.2%	22.2%	22.2%	90.0%	90.0%	40.0%	40.0%	20.0%	20.0%	8.9%	8.9%	20.0%	20.0%	8.9%	8.9%
Chromium	MCL	0.0%	0.0%	0.0%	0.0%	22.2%	22.2%	22.2%	22.2%	90.0%	90.0%	40.0%	40.0%	20.0%	20.0%	8.9%	8.9%	20.0%	20.0%	8.9%	8.9%
Fluoride	MCL	0.0%	0.0%	0.0%	0.0%	22.2%	22.2%	22.2%	22.2%	90.0%	90.0%	40.0%	40.0%	20.0%	20.0%	8.9%	8.9%	20.0%	20.0%	8.9%	8.9%
Mercury	MCL	0.0%	0.0%	0.0%	0.0%	22.2%	22.2%	22.2%	22.2%	90.0%	90.0%	40.0%	40.0%	20.0%	20.0%	8.9%	8.9%	20.0%	20.0%	8.9%	8.9%
Nitrate*	1/2 MCL																				
Nitrite*	1/2 MCL																				
Selenium	MCL	0.0%	0.0%	0.0%	0.0%	22.2%	22.2%	22.2%	22.2%	90.0%	90.0%	40.0%	40.0%	20.0%	20.0%	8.9%	8.9%	20.0%	20.0%	8.9%	8.9%
Phase II VOCs	MDL	0.0%	0.0%	0.0%	0.0%	53.1%	53.1%	53.1%	53.1%	90.0%	90.0%	40.0%	40.0%	47.8%	47.8%	21.2%	21.2%	47.8%	47.8%	21.2%	21.2%
Phase II SOCs	MDL	1.6%	1.6%	1.6%	1.6%	83.2%	83.2%	83.2%	83.2%	90.0%	90.0%	40.0%	40.0%	74.9%	74.9%	33.3%	33.3%	76.5%	76.5%	34.9%	34.9%
Phase IIb																					
Barium	MCL	0.0%	0.0%	0.0%	0.0%	22.2%	22.2%	22.2%	22.2%	90.0%	90.0%	40.0%	40.0%	20.0%	20.0%	8.9%	8.9%	20.0%	20.0%	8.9%	8.9%
Pentachlorophenol	MDL	0.0%	0.0%	0.0%	0.0%	83.2%	83.2%	83.2%	83.2%	90.0%	90.0%	40.0%	40.0%	74.9%	74.9%	33.3%	33.3%	74.9%	74.9%	33.3%	33.3%
Phase V																					
Adipates, Phthalates	MDL	5.0%	5.0%	5.0%	5.0%	77.6%	77.6%	77.6%	77.6%	90.0%	90.0%	40.0%	40.0%	69.8%	69.8%	31.0%	31.0%	74.8%	74.8%	36.0%	36.0%
PAH Benzo(a)pyrene	MDL	6.5%	6.5%	6.5%	6.5%	79.0%	79.0%	79.0%	79.0%	90.0%	90.0%	40.0%	40.0%	71.1%	71.1%	31.6%	31.6%	77.6%	77.6%	38.1%	38.1%
Dioxin	MDL	57.8%	57.8%	57.8%	57.8%	38.6%	38.6%	38.6%	38.6%	90.0%	90.0%	40.0%	40.0%	34.7%	34.7%	15.4%	15.4%	92.5%	92.5%	73.2%	73.2%
Phase V VOCs	MDL	0.0%	0.0%	0.0%	0.0%	53.1%	53.1%	53.1%	53.1%	90.0%	90.0%	40.0%	40.0%	47.8%	47.8%	21.2%	21.2%	47.8%	47.8%	21.2%	21.2%
Phase V IOCs, except sulfate	MCL	0.0%	0.0%	0.0%	0.0%	22.2%	22.2%	22.2%	22.2%	90.0%	90.0%	40.0%	40.0%	20.0%	20.0%	8.9%	8.9%	20.0%	20.0%	8.9%	8.9%
Diquat, Endothall, Glyphosate	MDL	34.8%	34.8%	34.8%	34.8%	56.3%	56.3%	56.3%	56.3%	90.0%	90.0%	40.0%	40.0%	50.7%	50.7%	22.5%	22.5%	85.5%	85.5%	57.3%	57.3%
Oxamyl	MDL	2.0%	2.0%	2.0%	2.0%	83.2%	83.2%	83.2%	83.2%	90.0%	90.0%	40.0%	40.0%	74.9%	74.9%	33.3%	33.3%	76.9%	76.9%	35.3%	35.3%
Dinoseb	MDL	5.4%	5.4%	5.4%	5.4%	80.2%	80.2%	80.2%	80.2%	90.0%	90.0%	40.0%	40.0%	72.2%	72.2%	32.1%	32.1%	77.6%	77.6%	37.5%	37.5%
Endrin, hexachloro-benzene, and hexachlorocyclopentadiene	MDL	11.3%	11.3%	11.3%	11.3%	76.3%	76.3%	76.3%	76.3%	90.0%	90.0%	40.0%	40.0%	68.7%	68.7%	30.5%	30.5%	80.0%	80.0%	41.8%	41.8%
Dalapon	MDL	7.7%	7.7%	7.7%	7.7%	77.8%	77.8%	77.8%	77.8%	90.0%	90.0%	40.0%	40.0%	70.0%	70.0%	31.1%	31.1%	77.7%	77.7%	38.8%	38.8%
Picloram	MDL	0.0%	0.0%	0.0%	0.0%	83.2%	83.2%	83.2%	83.2%	90.0%	90.0%	40.0%	40.0%	74.9%	74.9%	33.3%	33.3%	74.9%	74.9%	33.3%	33.3%
Simazine	MDL	0.0%	0.0%	0.0%	0.0%	83.2%	83.2%	83.2%	83.2%	90.0%	90.0%	40.0%	40.0%	74.9%	74.9%	33.3%	33.3%	74.9%	74.9%	33.3%	33.3%

* Waivers are not available for nitrate and nitrite.

** For GW systems, assumed that 90% of systems below the trigger receive system-specific waivers if available in their State. For SW systems, assumed that 40% of systems below the trigger receive system-specific waivers where available.

***Now considered separately in the Arsenic Rule

Source for Columns A&B: Data collected from 44 States during on-site data verifications conducted 1997-2001. Data are weighted based on the number of CWSs and NTNCWSs in each State.

Exhibit 8 - Occurrence

Compound			Percent < MDL A				Percent > MDL but < 1/2 MCL B				Percent > 1/2 MCL but < MCL C				Percent > MCL D				Percent < Trigger E			
			GW		SW		GW		SW		GW		SW		GW		SW		GW		SW	
Phase I	**Note**	**Trigger**	**≤3,300**	**>3,300**	**≤3,300**	**>3,300**	**≤3,300**	**>3,300**	**≤3,300**	**>3,300**	**≤3,300**	**>3,300**	**≤3,300**	**>3,300**	**≤3,300**	**>3,300**	**≤3,300**	**>3,300**	**≤3,300**	**>3,300**	**≤3,300**	**>3,300**
Phase I VOCs	3	MDL	80.1%	80.1%	58.9%	58.9%	12.0%	12.0%	25.7%	25.7%	1.8%	1.8%	7.2%	7.2%	6.1%	6.1%	8.2%	8.2%	80.1%	80.1%	58.9%	58.9%
Phase II																						
Arsenic	6	MCL																				
Asbestos		MCL	91.5%	91.5%	91.1%	91.1%	7.6%	7.6%	8.2%	8.2%	0.5%	0.5%	0.0%	0.0%	0.4%	0.4%	0.7%	0.7%	99.6%	99.6%	99.3%	99.3%
Cadmium		MCL	95.1%	95.1%	94.9%	94.9%	3.7%	3.7%	3.8%	3.8%	0.6%	0.6%	1.1%	1.1%	0.6%	0.6%	0.2%	0.2%	99.4%	99.4%	99.8%	99.8%
Chromium		MCL	86.8%	86.8%	89.5%	89.5%	12.7%	12.7%	10.2%	10.2%	0.3%	0.3%	0.1%	0.1%	0.2%	0.2%	0.2%	0.2%	99.8%	99.8%	99.8%	99.8%
Fluoride		MCL	27.5%	27.5%	22.2%	22.2%	69.1%	69.1%	77.0%	77.0%	2.1%	2.1%	0.3%	0.3%	1.3%	1.3%	0.5%	0.5%	98.7%	98.7%	99.5%	99.5%
Mercury		MCL	95.5%	95.5%	91.0%	91.0%	3.8%	3.8%	7.7%	7.7%	0.3%	0.3%	0.8%	0.8%	0.4%	0.4%	0.5%	0.5%	99.6%	99.6%	99.5%	99.5%
Nitrate		1/2 MCL	13.1%	13.1%	13.1%	13.1%	85.0%	85.0%	85.0%	85.0%	1.9%	1.9%	1.9%	1.9%	0.0%	0.0%	0.0%	0.0%	98.1%	98.1%	98.1%	98.1%
Nitrite		1/2 MCL	85.7%	85.7%	85.7%	85.7%	14.1%	14.1%	14.1%	14.1%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.2%	0.2%	99.8%	99.8%	99.8%	99.8%
Selenium		MCL	91.4%	91.4%	88.8%	88.8%	8.3%	8.3%	11.0%	11.0%	0.1%	0.1%	0.2%	0.2%	0.2%	0.2%	0.0%	0.0%	99.8%	99.8%	100.0%	100.0%
Phase II VOCs	4	MDL	93.6%	93.6%	88.9%	88.9%	2.5%	2.5%	6.6%	6.6%	0.7%	0.7%	1.6%	1.6%	3.2%	3.2%	2.9%	2.9%	93.6%	93.6%	88.9%	88.9%
Phase II SOCs	5	MDL	86.6%	86.6%	79.6%	79.6%	11.5%	11.5%	19.2%	19.2%	0.9%	0.9%	0.3%	0.3%	1.0%	1.0%	0.9%	0.9%	86.6%	86.6%	79.6%	79.6%
Phase IIb																						
Barium		MCL	52.7%	52.7%	50.9%	50.9%	46.5%	46.5%	48.5%	48.5%	0.6%	0.6%	0.1%	0.1%	0.2%	0.2%	0.5%	0.5%	99.8%	99.8%	99.5%	99.5%
Pentachlorophenol		MDL	99.3%	99.3%	96.9%	96.9%	0.6%	0.6%	2.7%	2.7%	0.1%	0.1%	0.2%	0.2%	0.0%	0.0%	0.2%	0.2%	99.3%	99.3%	96.9%	96.9%
Phase V																						
Adipates, Phthalates		MDL	86.6%	86.6%	79.6%	79.6%	11.5%	11.5%	19.2%	19.2%	0.9%	0.9%	0.3%	0.3%	1.0%	1.0%	0.9%	0.9%	86.6%	86.6%	79.6%	79.6%
PAH Benzo(a)pyrene		MDL	99.5%	99.5%	99.5%	99.5%	0.4%	0.4%	0.5%	0.5%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	99.5%	99.5%	99.5%	99.5%
Dioxin		MDL	98.7%	98.7%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	1.3%	0.0%	0.0%	98.7%	98.7%	100.0%	100.0%
Phase V VOCs	3	MDL	80.1%	80.1%	58.9%	58.9%	12.0%	12.0%	25.7%	25.7%	1.8%	1.8%	7.2%	7.2%	6.1%	6.1%	8.2%	8.2%	80.1%	80.1%	58.9%	58.9%
Phase V IOCs, except sulfate		MCL	16.5%	16.5%	16.3%	16.3%	74.3%	74.3%	76.9%	76.9%	5.0%	5.0%	4.3%	4.3%	4.2%	4.2%	2.5%	2.5%	95.8%	95.8%	97.5%	97.5%
Diquat, Endothall, Glyphosate	1	MDL	99.2%	99.2%	96.5%	96.5%	0.8%	0.8%	3.5%	3.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	99.2%	99.2%	96.5%	96.5%
Oxamyl		MDL	99.9%	99.9%	100.0%	100.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	99.9%	99.9%	100.0%	100.0%
Dinoseb		MDL	99.6%	99.6%	97.5%	97.5%	0.4%	0.4%	2.5%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	99.6%	99.6%	97.5%	97.5%
Endrin, hexachlorobenzene, and hexachlorocyclopentadiene	2	MDL	99.9%	99.9%	90.4%	90.4%	0.1%	0.1%	8.6%	8.6%	0.0%	0.0%	0.4%	0.4%	0.0%	0.0%	0.6%	0.6%	99.9%	99.9%	90.4%	90.4%
Dalapon		MDL	99.2%	99.2%	90.6%	90.6%	0.8%	0.8%	9.2%	9.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	99.2%	99.2%	90.6%	90.6%
Picloram		MDL	99.5%	99.5%	96.3%	96.3%	0.5%	0.5%	3.7%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	99.5%	99.5%	96.3%	96.3%
Simazine		MDL	98.6%	98.6%	84.1%	84.1%	1.4%	1.4%	13.4%	13.4%	0.0%	0.0%	1.5%	1.5%	0.0%	0.0%	1.0%	1.0%	98.6%	98.6%	84.1%	84.1%

Source: *A Review of Contaminant Occurrence in Public Drinking Water Systems* (EPA 816-R-99-006, November 1999).

Note 1 Used Diquat
Note 2 Used Hexachlorocyclopentadiene
Note 3 Used VOCs-All Regulated
Note 4 Used VOCs-Group 2
Note 5 Used SOCs-Group 2
Note 6 Now covered in the Arsenic Rule

Exhibit 9 - Percent by Scenario

Compound	Trigger	Scenario 1 A: Below trigger & no waiver (=E from "occurrence" * (1-E) from "waivers")				Scenario 2 B: Below trigger & waiver (=E from "occurrence" * E from "waivers")				Scenario 3 C: Above MCL (=D from "occurrence")				Scenario 4 D: Above trigger & below MCL (=(1-E) - D from "occurrence")			
		GW		SW		GW		SW		GW		SW		GW		SW	
Phase I		≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300	≤3,300	>3,300
Phase I VOCs	MDL	41.8%	41.8%	46.4%	46.4%	38.3%	38.3%	12.5%	12.5%	6.1%	6.1%	8.2%	8.2%	13.8%	13.8%	32.9%	32.9%
Phase II																	
Arsenic***	MCL																
Asbestos*	MCL	14.0%	14.0%	44.5%	44.5%	85.6%	85.6%	54.8%	54.8%	0.4%	0.4%	0.7%	0.7%				
Cadmium*	MCL	79.5%	79.5%	90.9%	90.9%	19.9%	19.9%	8.9%	8.9%	0.6%	0.6%	0.2%	0.2%				
Chromium*	MCL	79.9%	79.9%	90.9%	90.9%	19.9%	19.9%	8.9%	8.9%	0.2%	0.2%	0.2%	0.2%				
Fluoride*	MCL	79.0%	79.0%	90.7%	90.7%	19.7%	19.7%	8.8%	8.8%	1.3%	1.3%	0.5%	0.5%				
Mercury*	MCL	79.7%	79.7%	90.7%	90.7%	19.9%	19.9%	8.8%	8.8%	0.4%	0.4%	0.5%	0.5%				
Nitrate**	1/2 MCL	98.1%	98.1%	98.1%	98.1%					0.0%	0.0%	0.0%	0.0%	1.9%	1.9%	1.9%	1.9%
Nitrite**	1/2 MCL	99.8%	99.8%	99.8%	99.8%					0.2%	0.2%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%
Selenium*	MCL	79.9%	79.9%	91.1%	91.1%	19.9%	19.9%	8.9%	8.9%	0.2%	0.2%	0.0%	0.0%				
Phase II VOCs	MDL	48.9%	48.9%	70.0%	70.0%	44.7%	44.7%	18.9%	18.9%	3.2%	3.2%	2.9%	2.9%	3.2%	3.2%	8.2%	8.2%
Phase II SOCs	MDL	20.4%	20.4%	51.8%	51.8%	66.2%	66.2%	27.8%	27.8%	1.0%	1.0%	0.9%	0.9%	12.4%	12.4%	19.5%	19.5%
Phase IIb																	
Barium*	MCL	79.9%	79.9%	90.7%	90.7%	19.9%	19.9%	8.8%	8.8%	0.2%	0.2%	0.5%	0.5%				
Pentachlorophenol	MDL	24.9%	24.9%	64.7%	64.7%	74.4%	74.4%	32.2%	32.2%	0.0%	0.0%	0.2%	0.2%	0.7%	0.7%	2.9%	2.9%
Phase V																	
Adipates, Phthalates	MDL	21.8%	21.8%	50.9%	50.9%	64.8%	64.8%	28.7%	28.7%	1.0%	1.0%	0.9%	0.9%	12.4%	12.4%	19.5%	19.5%
PAH Benzo(a)pyrene	MDL	22.3%	22.3%	61.6%	61.6%	77.2%	77.2%	37.9%	37.9%	0.1%	0.1%	0.0%	0.0%	0.4%	0.4%	0.5%	0.5%
Dioxin	MDL	7.4%	7.4%	26.8%	26.8%	91.3%	91.3%	73.2%	73.2%	1.3%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Phase V VOCs	MDL	41.8%	41.8%	46.4%	46.4%	38.3%	38.3%	12.5%	12.5%	6.1%	6.1%	8.2%	8.2%	13.8%	13.8%	32.9%	32.9%
Phase V IOCs, except sulfate*	MCL	76.7%	76.7%	88.8%	88.8%	19.1%	19.1%	8.7%	8.7%	4.2%	4.2%	2.5%	2.5%				
Diquat, Endothall, Glyphosate	MDL	14.4%	14.4%	41.2%	41.2%	84.8%	84.8%	55.3%	55.3%	0.0%	0.0%	0.0%	0.0%	0.8%	0.8%	3.5%	3.5%
Oxamyl	MDL	23.1%	23.1%	64.7%	64.7%	76.8%	76.8%	35.3%	35.3%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%
Dinoseb	MDL	22.3%	22.3%	61.0%	61.0%	77.3%	77.3%	36.5%	36.5%	0.0%	0.0%	0.0%	0.0%	0.4%	0.4%	2.5%	2.5%
Endrin, hexachloro-benzene, and hexachlorocyclopentadiene	MDL	20.0%	20.0%	52.6%	52.6%	79.9%	79.9%	37.8%	37.8%	0.0%	0.0%	0.6%	0.6%	0.1%	0.1%	9.0%	9.0%
Dalapon	MDL	22.1%	22.1%	55.4%	55.4%	77.1%	77.1%	35.2%	35.2%	0.0%	0.0%	0.2%	0.2%	0.8%	0.8%	9.2%	9.2%
Picloram	MDL	25.0%	25.0%	64.3%	64.3%	74.5%	74.5%	32.0%	32.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.5%	3.7%	3.7%
Simazine	MDL	24.8%	24.8%	56.1%	56.1%	73.8%	73.8%	28.0%	28.0%	0.0%	0.0%	1.0%	1.0%	1.4%	1.4%	14.9%	14.9%

* Because the MCL is the trigger for IOCs (except nitrate and nitrite), there is no "Scenario 4" in which the monitoring results are below the MCL but above the trigger.

**Waivers are not available for nitrate and nitrite.

***Now considered separately in the Arsenic Rule.

Exhibit 10 - Phase I VOCs, Part 1

Phase I VOCs
Ground Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	41.8%	38.3%	6.1%	13.8%	7,984	7,308	1,165	2,635	0.33	0.22	4.00	1.67	2,635	1,608	4,658	4,400	13,301
101-500	18,602	41.8%	38.3%	6.1%	13.8%	7,779	7,121	1,135	2,567	0.33	0.22	4.00	1.67	2,567	1,567	4,539	4,287	12,960
501-1,000	5,405	41.8%	38.3%	6.1%	13.8%	2,260	2,069	330	746	0.33	0.22	4.00	1.67	746	455	1,319	1,246	3,766
1,001-3,300	5,879	41.8%	38.3%	6.1%	13.8%	2,459	2,250	359	811	0.33	0.22	4.00	1.67	811	495	1,434	1,355	4,096
3,301-10,000	2,637	41.8%	38.3%	6.1%	13.8%	1,103	1,009	161	364	0.33	0.22	4.00	1.67	364	222	643	608	1,837
10,001-50,000	1,312	41.8%	38.3%	6.1%	13.8%	549	502	80	181	0.33	0.22	4.00	1.67	181	110	320	302	914
50,001-100,000	146	41.8%	38.3%	6.1%	13.8%	61	56	9	20	0.33	0.22	4.00	1.67	20	12	36	34	102
100,001-1,000,000	63	41.8%	38.3%	6.1%	13.8%	26	24	4	9	0.33	0.22	4.00	1.67	9	5	15	15	44
>1,000,000	2	41.8%	38.3%	6.1%	13.8%	1	1	0	0	0.33	0.22	4.00	1.67	0	0	0	0	1
Total	53,138					22,222	20,341	3,241	7,333					7,333	4,475	12,966	12,246	37,020

Phase I VOCs
Surface Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	46.4%	12.5%	8.2%	32.9%	259	70	46	184	1.00	0.33	4.00	2.33	259	23	183	428	893
101-500	765	46.4%	12.5%	8.2%	32.9%	355	96	63	252	1.00	0.33	4.00	2.33	355	32	251	586	1,224
501-1,000	374	46.4%	12.5%	8.2%	32.9%	173	47	31	123	1.00	0.33	4.00	2.33	173	15	123	287	598
1,001-3,300	959	46.4%	12.5%	8.2%	32.9%	445	120	79	316	1.00	0.33	4.00	2.33	445	40	315	735	1,534
3,301-10,000	994	46.4%	12.5%	8.2%	32.9%	461	124	82	327	1.00	0.33	4.00	2.33	461	41	326	762	1,590
10,001-50,000	987	46.4%	12.5%	8.2%	32.9%	458	123	81	325	1.00	0.33	4.00	2.33	458	41	324	757	1,579
50,001-100,000	221	46.4%	12.5%	8.2%	32.9%	103	28	18	73	1.00	0.33	4.00	2.33	103	9	72	169	354
100,001-1,000,000	245	46.4%	12.5%	8.2%	32.9%	114	31	20	81	1.00	0.33	4.00	2.33	114	10	80	188	392
>1,000,000	18	46.4%	12.5%	8.2%	32.9%	8	2	1	6	1.00	0.33	4.00	2.33	8	1	6	14	29
Total	5,121					2,376	641	420	1,685					2,376	211	1,680	3,926	8,192

Phase I VOCs: GRAND TOTAL	**58,259**				**24,598**	**20,982**	**3,661**	**9,018**		**9,709**	**4,686**	**14,645**	**16,172**	**45,213**

Exhibit 11 - Phase I VOCs, Part 2

Phase I VOCs (continued)
Ground Water Systems, CWSs & NTNCWSs

Size Category	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	13,301	1.05	13,906	2.0	27,812	$86	$1,201,189
101-500	12,960	1.11	14,387	2.0	28,773	$86	$1,242,684
501-1,000	3,766	1.29	4,861	2.0	9,723	$86	$419,918
1,001-3,300	4,096	1.43	5,848	2.0	11,696	$86	$505,120
3,301-10,000	1,837	1.60	2,933	2.0	5,866	$86	$253,366
10,001-50,000	914	3.53	3,231	2.0	6,461	$86	$279,053
50,001-100,000	102	9.42	958	2.0	1,916	$86	$82,731
100,001-1,000,000	44	12.56	551	2.0	1,102	$86	$47,614
>1,000,000	1	12.56	17	2.0	35	$86	$1,512
Total	37,020		46,692		93,385		$4,033,186

Phase I VOCs (continued)
Surface Water Systems, CWSs & NTNCWSs

Size Category	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	893	1.04	926	2.0	1,852	$86	$79,989
101-500	1,224	1.06	1,298	2.0	2,597	$86	$112,153
501-1,000	598	1.16	694	2.0	1,388	$86	$59,963
1,001-3,300	1,534	1.14	1,750	2.0	3,499	$86	$151,122
3,301-10,000	1,590	1.13	1,797	2.0	3,595	$86	$155,257
10,001-50,000	1,579	1.58	2,490	2.0	4,979	$86	$215,039
50,001-100,000	354	1.98	701	2.0	1,401	$86	$60,521
100,001-1,000,000	392	3.30	1,293	2.0	2,586	$86	$111,682
>1,000,000	29	3.30	95	2.0	190	$86	$8,205
Total	8,192		11,044		22,087		$953,930

Phase I VOCs GRAND TOTAL	**45,213**	**57,736**	**115,472**	**$4,987,116**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 12 - Arsenic, Part 1

Arsenic
Ground Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
101-500	18,602	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
501-1,000	5,405	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,001-3,300	5,879	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3,301-10,000	2,637	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10,001-50,000	1,312	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50,001-100,000	146	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100,001-1,000,000	63	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
>1,000,000	2	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	53,138					-	-	-	-				-	-	-	-	-	-

Arsenic
Surface Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
101-500	765	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
501-1,000	374	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,001-3,300	959	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3,301-10,000	994	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10,001-50,000	987	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50,001-100,000	221	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100,001-1,000,000	245	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
>1,000,000	18	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	5,121					-	-	-	-				-	-	-	-	-	-

Arsenic:																		
GRAND TOTAL	**58,259**					**-**	**-**	**-**	**-**					**-**	**-**	**-**	**-**	**-**

Exhibit 13 - Arsenic, Part 2

Arsenic (continued)
Ground Water Systems, CWSs & NTNCWSs

Size Category	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	-	1.05	-	0.0	-	$0	$0
101-500	-	1.11	-	0.0	-	$0	$0
501-1,000	-	1.29	-	0.0	-	$0	$0
1,001-3,300	-	1.43	-	0.0	-	$0	$0
3,301-10,000	-	1.60	-	0.0	-	$0	$0
10,001-50,000	-	3.53	-	0.0	-	$0	$0
50,001-100,000	-	9.42	-	0.0	-	$0	$0
100,001-1,000,000	-	12.56	-	0.0	-	$0	$0
>1,000,000	-	12.56	-	0.0	-	$0	$0
Total	-		-		-		$0

Arsenic (continued)
Surface Water Systems, CWSs & NTNCWSs

Size Category	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	-	1.04	-	0.0	-	$0	$0
101-500	-	1.06	-	0.0	-	$0	$0
501-1,000	-	1.16	-	0.0	-	$0	$0
1,001-3,300	-	1.14	-	0.0	-	$0	$0
3,301-10,000	-	1.13	-	0.0	-	$0	$0
10,001-50,000	-	1.58	-	0.0	-	$0	$0
50,001-100,000	-	1.98	-	0.0	-	$0	$0
100,001-1,000,000	-	3.30	-	0.0	-	$0	$0
>1,000,000	-	3.30	-	0.0	-	$0	$0
Total	-		-		-		$0

Arsenic GRAND TOTAL	**-**	**-**	**-**	**$0**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 14 - Asbestos, Part 1

Asbestos
Ground Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	14.0%	85.6%	0.4%	-	2,674	16,342	76	-	0.11	-	4.00	-	294	-	305		600
101-500	18,602	14.0%	85.6%	0.4%	-	2,605	15,923	74	-	0.11	-	4.00	-	287	-	298		584
501-1,000	5,405	14.0%	85.6%	0.4%	-	757	4,626	22	-	0.11	-	4.00	-	83	-	86		170
1,001-3,300	5,879	14.0%	85.6%	0.4%	-	823	5,032	24	-	0.11	-	4.00	-	91	-	94		185
3,301-10,000	2,637	14.0%	85.6%	0.4%	-	369	2,257	11	-	0.11	-	4.00	-	41	-	42		83
10,001-50,000	1,312	14.0%	85.6%	0.4%	-	184	1,123	5	-	0.11	-	4.00	-	20	-	21		41
50,001-100,000	146	14.0%	85.6%	0.4%	-	20	125	1	-	0.11	-	4.00	-	2	-	2		5
100,001-1,000,000	63	14.0%	85.6%	0.4%	-	9	54	0	-	0.11	-	4.00	-	1	-	1		2
>1,000,000	2	14.0%	85.6%	0.4%	-	0	2	0	-	0.11	-	4.00	-	0	-	0		0
Total	53,138					7,441	45,484	213	-				-	819	-	850		1,669

Asbestos
Surface Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	44.5%	54.8%	0.7%	-	249	306	4	-	0.11	-	4.00	-	27	-	16	-	43
101-500	765	44.5%	54.8%	0.7%	-	341	419	5	-	0.11	-	4.00	-	37	-	21	-	59
501-1,000	374	44.5%	54.8%	0.7%	-	167	205	3	-	0.11	-	4.00	-	18	-	10	-	29
1,001-3,300	959	44.5%	54.8%	0.7%	-	427	525	7	-	0.11	-	4.00	-	47	-	27	-	74
3,301-10,000	994	44.5%	54.8%	0.7%	-	443	544	7	-	0.11	-	4.00	-	49	-	28	-	77
10,001-50,000	987	44.5%	54.8%	0.7%	-	440	540	7	-	0.11	-	4.00	-	48	-	28	-	76
50,001-100,000	221	44.5%	54.8%	0.7%	-	98	121	2	-	0.11	-	4.00	-	11	-	6	-	17
100,001-1,000,000	245	44.5%	54.8%	0.7%	-	109	134	2	-	0.11	-	4.00	-	12	-	7	-	19
>1,000,000	18	44.5%	54.8%	0.7%	-	8	10	0	-	0.11	-	4.00	-	1	-	1	-	1
Total	5,121					2,281	2,804	36	-					251	-	143	-	394

Asbestos: GRAND TOTAL	**58,259**				**9,723**	**48,288**	**248**	**-**					**1,069**	**-**	**994**	**-**	**2,063**

Exhibit 15 - Asbestos, Part 2

Asbestos (continued) Ground Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	600	1.05	627	2.5	1,567	$484	$303,173
101-500	584	1.11	649	2.5	1,621	$484	$313,646
501-1,000	170	1.29	219	2.5	548	$484	$105,985
1,001-3,300	185	1.43	264	2.5	659	$484	$127,489
3,301-10,000	83	1.60	132	2.5	331	$484	$63,948
10,001-50,000	41	3.53	146	2.5	364	$484	$70,431
50,001-100,000	5	9.42	43	2.5	108	$484	$20,881
100,001-1,000,000	2	12.56	25	2.5	62	$484	$12,017
>1,000,000	0	12.56	1	2.5	2	$484	$382
Total	1,669		2,105		5,262		$1,017,953

Asbestos (continued) Surface Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	43	1.04	45	2.5	111	$484	$21,558
101-500	59	1.06	62	2.5	156	$484	$30,226
501-1,000	29	1.16	33	2.5	84	$484	$16,160
1,001-3,300	74	1.14	84	2.5	211	$484	$40,728
3,301-10,000	77	1.13	87	2.5	216	$484	$41,843
10,001-50,000	76	1.58	120	2.5	300	$484	$57,954
50,001-100,000	17	1.98	34	2.5	84	$484	$16,311
100,001-1,000,000	19	3.30	62	2.5	156	$484	$30,099
>1,000,000	1	3.30	5	2.5	11	$484	$2,211
Total	394		532		1,329		$257,090

Asbestos GRAND TOTAL	**2,063**	**2,636**	**6,591**	**$1,275,044**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 16 - Cadmium, Part 1

Cadmium
Ground Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	79.5%	19.9%	0.6%	-	15,186	3,792	115	-	0.33	0.11	4.00	-	5,011	417	458	-	5,887
101-500	18,602	79.5%	19.9%	0.6%	-	14,796	3,694	112	-	0.33	0.11	4.00	-	4,883	406	446	-	5,736
501-1,000	5,405	79.5%	19.9%	0.6%	-	4,299	1,073	32	-	0.33	0.11	4.00	-	1,419	118	130	-	1,667
1,001-3,300	5,879	79.5%	19.9%	0.6%	-	4,676	1,168	35	-	0.33	0.11	4.00	-	1,543	128	141	-	1,813
3,301-10,000	2,637	79.5%	19.9%	0.6%	-	2,097	524	16	-	0.33	0.11	4.00	-	692	58	63	-	813
10,001-50,000	1,312	79.5%	19.9%	0.6%	-	1,044	261	8	-	0.33	0.11	4.00	-	344	29	31	-	405
50,001-100,000	146	79.5%	19.9%	0.6%	-	116	29	1	-	0.33	0.11	4.00	-	38	3	4	-	45
100,001-1,000,000	63	79.5%	19.9%	0.6%	-	50	13	0	-	0.33	0.11	4.00	-	17	1	2	-	19
>1,000,000	2	79.5%	19.9%	0.6%	-	2	0	0	-	0.33	0.11	4.00	-	1	0	0	-	1
Total	53,138					42,266	10,553	319	-				-	13,948	1,161	1,275	-	16,384

Cadmium
Surface Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	90.9%	8.9%	0.2%	-	507	49	1	-	1.00	0.11	4.00	-	507	5	4	-	517
101-500	765	90.9%	8.9%	0.2%	-	696	68	2	-	1.00	0.11	4.00	-	696	7	6	-	709
501-1,000	374	90.9%	8.9%	0.2%	-	340	33	1	-	1.00	0.11	4.00	-	340	4	3	-	347
1,001-3,300	959	90.9%	8.9%	0.2%	-	872	85	2	-	1.00	0.11	4.00	-	872	9	8	-	889
3,301-10,000	994	90.9%	8.9%	0.2%	-	904	88	2	-	1.00	0.11	4.00	-	904	10	8	-	922
10,001-50,000	987	90.9%	8.9%	0.2%	-	898	87	2	-	1.00	0.11	4.00	-	898	10	8	-	915
50,001-100,000	221	90.9%	8.9%	0.2%	-	201	20	0	-	1.00	0.11	4.00	-	201	2	2	-	205
100,001-1,000,000	245	90.9%	8.9%	0.2%	-	223	22	0	-	1.00	0.11	4.00	-	223	2	2	-	227
>1,000,000	18	90.9%	8.9%	0.2%	-	16	2	0	-	1.00	0.11	4.00	-	16	0	0	-	17
Total	5,121					4,657	454	10	-					4,657	50	41	-	4,748

Cadmium: GRAND TOTAL	**58,259**					**46,923**	**11,007**	**329**	**-**					**18,605**	**1,211**	**1,316**	**-**	**21,132**

Exhibit 17 - Cadmium, Part 2

Cadmium (continued)
Ground Water Systems, CWSs & NTNCWSs

Size Category	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	5,887	1.05	6,154	0.5	3,077	$15	$89,297
101-500	5,736	1.11	6,367	0.5	3,184	$15	$92,382
501-1,000	1,667	1.29	2,151	0.5	1,076	$15	$31,217
1,001-3,300	1,813	1.43	2,588	0.5	1,294	$15	$37,551
3,301-10,000	813	1.60	1,298	0.5	649	$15	$18,835
10,001-50,000	405	3.53	1,430	0.5	715	$15	$20,745
50,001-100,000	45	9.42	424	0.5	212	$15	$6,150
100,001-1,000,000	19	12.56	244	0.5	122	$15	$3,540
>1,000,000	1	12.56	8	0.5	4	$15	$112
Total	16,384		20,664		10,332		$299,830

Cadmium (continued)
Surface Water Systems, CWSs & NTNCWSs

Size Category	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	517	1.04	537	0.5	268	$15	$7,787
101-500	709	1.06	752	0.5	376	$15	$10,918
501-1,000	347	1.16	402	0.5	201	$15	$5,837
1,001-3,300	889	1.14	1,014	0.5	507	$15	$14,712
3,301-10,000	922	1.13	1,042	0.5	521	$15	$15,114
10,001-50,000	915	1.58	1,443	0.5	721	$15	$20,934
50,001-100,000	205	1.98	406	0.5	203	$15	$5,892
100,001-1,000,000	227	3.30	749	0.5	375	$15	$10,872
>1,000,000	17	3.30	55	0.5	28	$15	$799
Total	4,748		6,400		3,200		$92,865

Cadmium GRAND TOTAL	**21,132**	**27,065**	**13,532**		**$392,695**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 18 - Chromium, Part 1

Chromium
Ground Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	79.5%	19.9%	0.6%	-	15,186	3,792	115	-	0.33	0.11	4.00	-	5,011	417	458	-	5,887
101-500	18,602	79.5%	19.9%	0.6%	-	14,796	3,694	112	-	0.33	0.11	4.00	-	4,883	406	446	-	5,736
501-1,000	5,405	79.5%	19.9%	0.6%	-	4,299	1,073	32	-	0.33	0.11	4.00	-	1,419	118	130	-	1,667
1,001-3,300	5,879	79.5%	19.9%	0.6%	-	4,676	1,168	35	-	0.33	0.11	4.00	-	1,543	128	141	-	1,813
3,301-10,000	2,637	79.5%	19.9%	0.6%	-	2,097	524	16	-	0.33	0.11	4.00	-	692	58	63	-	813
10,001-50,000	1,312	79.5%	19.9%	0.6%	-	1,044	261	8	-	0.33	0.11	4.00	-	344	29	31	-	405
50,001-100,000	146	79.5%	19.9%	0.6%	-	116	29	1	-	0.33	0.11	4.00	-	38	3	4	-	45
100,001-1,000,000	63	79.5%	19.9%	0.6%	-	50	13	0	-	0.33	0.11	4.00	-	17	1	2	-	19
>1,000,000	2	79.5%	19.9%	0.6%	-	2	0	0	-	0.33	0.11	4.00	-	1	0	0	-	1
Total	53,138					42,266	10,553	319	-				-	13,948	1,161	1,275	-	16,384

Chromium
Surface Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	90.9%	8.9%	0.2%	-	507	49	1	-	1.00	0.11	4.00	-	507	5	4	-	517
101-500	765	90.9%	8.9%	0.2%	-	696	68	2	-	1.00	0.11	4.00	-	696	7	6	-	709
501-1,000	374	90.9%	8.9%	0.2%	-	340	33	1	-	1.00	0.11	4.00	-	340	4	3	-	347
1,001-3,300	959	90.9%	8.9%	0.2%	-	872	85	2	-	1.00	0.11	4.00	-	872	9	8	-	889
3,301-10,000	994	90.9%	8.9%	0.2%	-	904	88	2	-	1.00	0.11	4.00	-	904	10	8	-	922
10,001-50,000	987	90.9%	8.9%	0.2%	-	898	87	2	-	1.00	0.11	4.00	-	898	10	8	-	915
50,001-100,000	221	90.9%	8.9%	0.2%	-	201	20	0	-	1.00	0.11	4.00	-	201	2	2	-	205
100,001-1,000,000	245	90.9%	8.9%	0.2%	-	223	22	0	-	1.00	0.11	4.00	-	223	2	2	-	227
>1,000,000	18	90.9%	8.9%	0.2%	-	16	2	0	-	1.00	0.11	4.00	-	16	0	0	-	17
Total	5,121					4,657	454	10	-				-	4,657	50	41	-	4,748

Chromium:													
GRAND TOTAL	**58,259**	**46,923**	**11,007**	**329**	**-**	**18,605**	**1,211**	**1,316**	**-**	**21,132**

Exhibit 19 - Chromium, Part 2

Chromium (continued) Ground Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	5,887	1.05	6,154	0.5	3,077	$15	$89,297
101-500	5,736	1.11	6,367	0.5	3,184	$15	$92,382
501-1,000	1,667	1.29	2,151	0.5	1,076	$15	$31,217
1,001-3,300	1,813	1.43	2,588	0.5	1,294	$15	$37,551
3,301-10,000	813	1.60	1,298	0.5	649	$15	$18,835
10,001-50,000	405	3.53	1,430	0.5	715	$15	$20,745
50,001-100,000	45	9.42	424	0.5	212	$15	$6,150
100,001-1,000,000	19	12.56	244	0.5	122	$15	$3,540
>1,000,000	1	12.56	8	0.5	4	$15	$112
Total	16,384		20,664		10,332		$299,830

Chromium (continued) Surface Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	517	1.04	537	0.5	268	$15	$7,787
101-500	709	1.06	752	0.5	376	$15	$10,918
501-1,000	347	1.16	402	0.5	201	$15	$5,837
1,001-3,300	889	1.14	1,014	0.5	507	$15	$14,712
3,301-10,000	922	1.13	1,042	0.5	521	$15	$15,114
10,001-50,000	915	1.58	1,443	0.5	721	$15	$20,934
50,001-100,000	205	1.98	406	0.5	203	$15	$5,892
100,001-1,000,000	227	3.30	749	0.5	375	$15	$10,872
>1,000,000	17	3.30	55	0.5	28	$15	$799
Total	4,748		6,400		3,200		$92,865

Chromium GRAND TOTAL	**21,132**	**27,065**	**13,532**	**$392,695**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 20 - Fluoride, Part 1

Fluoride
Ground Water Systems, CWSs & NTNCWSs

	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	D				C=A*B				D				E=C*D				
Size Category		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	79.0%	19.7%	1.3%	-	15,079	3,765	248	-	0.33	0.11	4.00	-	4,976	414	993	-	6,383
101-500	18,602	79.0%	19.7%	1.3%	-	14,692	3,668	242	-	0.33	0.11	4.00	-	4,848	404	967	-	6,219
501-1,000	5,405	79.0%	19.7%	1.3%	-	4,269	1,066	70	-	0.33	0.11	4.00	-	1,409	117	281	-	1,807
1,001-3,300	5,879	79.0%	19.7%	1.3%	-	4,643	1,159	76	-	0.33	0.11	4.00	-	1,532	128	306	-	1,965
3,301-10,000	2,637	79.0%	19.7%	1.3%	-	2,083	520	34	-	0.33	0.11	4.00	-	687	57	137	-	882
10,001-50,000	1,312	79.0%	19.7%	1.3%	-	1,036	259	17	-	0.33	0.11	4.00	-	342	28	68	-	439
50,001-100,000	146	79.0%	19.7%	1.3%	-	115	29	2	-	0.33	0.11	4.00	-	38	3	8	-	49
100,001-1,000,000	63	79.0%	19.7%	1.3%	-	50	12	1	-	0.33	0.11	4.00	-	16	1	3	-	21
>1,000,000	2	79.0%	19.7%	1.3%	-	2	0	0	-	0.33	0.11	4.00	-	1	0	0	-	1
Total	53,138					41,968	10,479	691	-					13,850	1,153	2,763	-	17,765

Fluoride
Surface Water Systems, CWSs & NTNCWSs

	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	D				C=A*B				D				E=C*D				
Size Category		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	90.7%	8.8%	0.5%	-	506	49	3	-	1.00	0.11	4.00	-	506	5	11	-	522
101-500	765	90.7%	8.8%	0.5%	-	694	68	4	-	1.00	0.11	4.00	-	694	7	15	-	716
501-1,000	374	90.7%	8.8%	0.5%	-	339	33	2	-	1.00	0.11	4.00	-	339	4	7	-	350
1,001-3,300	959	90.7%	8.8%	0.5%	-	869	85	5	-	1.00	0.11	4.00	-	869	9	19	-	898
3,301-10,000	994	90.7%	8.8%	0.5%	-	901	88	5	-	1.00	0.11	4.00	-	901	10	20	-	931
10,001-50,000	987	90.7%	8.8%	0.5%	-	895	87	5	-	1.00	0.11	4.00	-	895	10	20	-	924
50,001-100,000	221	90.7%	8.8%	0.5%	-	200	20	1	-	1.00	0.11	4.00	-	200	2	4	-	207
100,001-1,000,000	245	90.7%	8.8%	0.5%	-	222	22	1	-	1.00	0.11	4.00	-	222	2	5	-	229
>1,000,000	18	90.7%	8.8%	0.5%	-	16	2	0	-	1.00	0.11	4.00	-	16	0	0	-	17
Total	5,121					4,643	452	26	-					4,643	50	102	-	4,795

Fluoride:																	
GRAND TOTAL	**58,259**					**46,611**	**10,931**	**716**	**-**					**18,492**	**1,202**	**2,866**	**-**	**22,561**

Exhibit 21 - Fluoride, Part 2

Fluoride (continued) Ground Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	6,383	1.05	6,673	0.5	3,337	$15	$96,827
101-500	6,219	1.11	6,904	0.5	3,452	$15	$100,171
501-1,000	1,807	1.29	2,333	0.5	1,166	$15	$33,849
1,001-3,300	1,965	1.43	2,806	0.5	1,403	$15	$40,717
3,301-10,000	882	1.60	1,408	0.5	704	$15	$20,424
10,001-50,000	439	3.53	1,550	0.5	775	$15	$22,494
50,001-100,000	49	9.42	460	0.5	230	$15	$6,669
100,001-1,000,000	21	12.56	265	0.5	132	$15	$3,838
>1,000,000	1	12.56	8	0.5	4	$15	$122
Total	17,765		22,407		11,203		$325,111

Fluoride (continued) Surface Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	522	1.04	542	0.5	271	$15	$7,864
101-500	716	1.06	760	0.5	380	$15	$11,027
501-1,000	350	1.16	406	0.5	203	$15	$5,895
1,001-3,300	898	1.14	1,024	0.5	512	$15	$14,858
3,301-10,000	931	1.13	1,052	0.5	526	$15	$15,265
10,001-50,000	924	1.58	1,457	0.5	729	$15	$21,143
50,001-100,000	207	1.98	410	0.5	205	$15	$5,950
100,001-1,000,000	229	3.30	757	0.5	378	$15	$10,981
>1,000,000	17	3.30	56	0.5	28	$15	$807
Total	4,795		6,464		3,232		$93,790

Fluoride GRAND TOTAL	22,561	28,871	14,435	$418,901

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 22 - Mercury, Part 1

Mercury
Ground Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	79.7%	19.9%	0.4%	-	15,216	3,799	76	-	0.33	0.11	4.00	-	5,021	418	305	-	5,745
101-500	18,602	79.7%	19.9%	0.4%	-	14,826	3,702	74	-	0.33	0.11	4.00	-	4,893	407	298	-	5,597
501-1,000	5,405	79.7%	19.9%	0.4%	-	4,308	1,076	22	-	0.33	0.11	4.00	-	1,422	118	86	-	1,626
1,001-3,300	5,879	79.7%	19.9%	0.4%	-	4,686	1,170	24	-	0.33	0.11	4.00	-	1,546	129	94	-	1,769
3,301-10,000	2,637	79.7%	19.9%	0.4%	-	2,102	525	11	-	0.33	0.11	4.00	-	694	58	42	-	793
10,001-50,000	1,312	79.7%	19.9%	0.4%	-	1,046	261	5	-	0.33	0.11	4.00	-	345	29	21	-	395
50,001-100,000	146	79.7%	19.9%	0.4%	-	116	29	1	-	0.33	0.11	4.00	-	38	3	2	-	44
100,001-1,000,000	63	79.7%	19.9%	0.4%	-	50	13	0	-	0.33	0.11	4.00	-	17	1	1	-	19
>1,000,000	2	79.7%	19.9%	0.4%	-	2	0	0	-	0.33	0.11	4.00	-	1	0	0	-	1
Total	53,138				-	42,351	10,575	213	-				-	13,976	1,163	850	-	15,989

Mercury
Surface Water Systems, CWSs & NTNCWSs

Size Category	# Affected Systems (from C of systems)	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	90.7%	8.8%	0.5%	-	506	49	3	-	1.00	0.11	4.00	-	506	5	11	-	522
101-500	765	90.7%	8.8%	0.5%	-	694	68	4	-	1.00	0.11	4.00	-	694	7	15	-	716
501-1,000	374	90.7%	8.8%	0.5%	-	339	33	2	-	1.00	0.11	4.00	-	339	4	7	-	350
1,001-3,300	959	90.7%	8.8%	0.5%	-	869	85	5	-	1.00	0.11	4.00	-	869	9	19	-	898
3,301-10,000	994	90.7%	8.8%	0.5%	-	901	88	5	-	1.00	0.11	4.00	-	901	10	20	-	931
10,001-50,000	987	90.7%	8.8%	0.5%	-	895	87	5	-	1.00	0.11	4.00	-	895	10	20	-	924
50,001-100,000	221	90.7%	8.8%	0.5%	-	200	20	1	-	1.00	0.11	4.00	-	200	2	4	-	207
100,001-1,000,000	245	90.7%	8.8%	0.5%	-	222	22	1	-	1.00	0.11	4.00	-	222	2	5	-	229
>1,000,000	18	90.7%	8.8%	0.5%	-	16	2	0	-	1.00	0.11	4.00	-	16	0	0	-	17
Total	5,121				-	4,643	452	26	-				-	4,643	50	102	-	4,795

Mercury:																		
GRAND TOTAL	**58,259**					**46,994**	**11,027**	**238**	**-**					**18,619**	**1,213**	**953**	**-**	**20,784**

Exhibit 23 - Mercury, Part 2

Mercury (continued) Ground Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	5,745	1.05	6,006	0.5	3,003	$32	$193,658
101-500	5,597	1.11	6,214	0.5	3,107	$32	$200,348
501-1,000	1,626	1.29	2,100	0.5	1,050	$32	$67,700
1,001-3,300	1,769	1.43	2,526	0.5	1,263	$32	$81,436
3,301-10,000	793	1.60	1,267	0.5	633	$32	$40,848
10,001-50,000	395	3.53	1,395	0.5	698	$32	$44,989
50,001-100,000	44	9.42	414	0.5	207	$32	$13,338
100,001-1,000,000	19	12.56	238	0.5	119	$32	$7,676
>1,000,000	1	12.56	8	0.5	4	$32	$244
Total	15,989		20,167		10,083		$650,237

Mercury (continued) Surface Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	522	1.04	542	0.5	271	$32	$17,477
101-500	716	1.06	760	0.5	380	$32	$24,504
501-1,000	350	1.16	406	0.5	203	$32	$13,101
1,001-3,300	898	1.14	1,024	0.5	512	$32	$33,018
3,301-10,000	931	1.13	1,052	0.5	526	$32	$33,922
10,001-50,000	924	1.58	1,457	0.5	729	$32	$46,984
50,001-100,000	207	1.98	410	0.5	205	$32	$13,223
100,001-1,000,000	229	3.30	757	0.5	378	$32	$24,401
>1,000,000	17	3.30	56	0.5	28	$32	$1,793
Total	4,795		6,464		3,232		$208,423

Mercury GRAND TOTAL	20,784	26,631	13,315	$858,660

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 24 - Nitrate, Part 1

Nitrate
Ground Water Systems, CWSs, NTNCWSs, and TNCWSs

Size Category	# of Affected Systems (from C+D of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	75,459	98.1%	-	0.0%	1.9%	74,025	-	-	1,434	1.00	-	4.00	4.00	74,025	-	-	5,735	79,760
101-500	37,757	98.1%	-	0.0%	1.9%	37,040	-	-	717	1.00	-	4.00	4.00	37,040	-	-	2,870	39,909
501-1,000	7,417	98.1%	-	0.0%	1.9%	7,276	-	-	141	1.00	-	4.00	4.00	7,276	-	-	564	7,840
1,001-3,300	6,415	98.1%	-	0.0%	1.9%	6,293	-	-	122	1.00	-	4.00	4.00	6,293	-	-	488	6,781
3,301-10,000	2,703	98.1%	-	0.0%	1.9%	2,652	-	-	51	1.00	-	4.00	4.00	2,652	-	-	205	2,857
10,001-50,000	1,320	98.1%	-	0.0%	1.9%	1,295	-	-	25	1.00	-	4.00	4.00	1,295	-	-	100	1,395
50,001-100,000	147	98.1%	-	0.0%	1.9%	144	-	-	3	1.00	-	4.00	4.00	144	-	-	11	155
100,001-1,000,000	63	98.1%	-	0.0%	1.9%	62	-	-	1	1.00	-	4.00	4.00	62	-	-	5	67
>1,000,000	2	98.1%	-	0.0%	1.9%	2	-	-	0	1.00	-	4.00	4.00	2	-	-	0	2
Total	131,283					128,789	-	-	2,494					128,789	-	-	9,978	138,766

Nitrate
Surface Water Systems, CWSs, NTNCWSs, and TNCWSs

Size Category	# of Affected Systems (from C+D of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	1,169	98.1%	-	0.0%	1.9%	1,147	-	-	22	1.00	-	4.00	4.00	1,147	-	-	89	1,236
101-500	1,121	98.1%	-	0.0%	1.9%	1,100	-	-	21	1.00	-	4.00	4.00	1,100	-	-	85	1,185
501-1,000	442	98.1%	-	0.0%	1.9%	434	-	-	8	1.00	-	4.00	4.00	434	-	-	34	467
1,001-3,300	1,001	98.1%	-	0.0%	1.9%	982	-	-	19	1.00	-	4.00	4.00	982	-	-	76	1,058
3,301-10,000	1,011	98.1%	-	0.0%	1.9%	992	-	-	19	1.00	-	4.00	4.00	992	-	-	77	1,069
10,001-50,000	987	98.1%	-	0.0%	1.9%	968	-	-	19	1.00	-	4.00	4.00	968	-	-	75	1,043
50,001-100,000	221	98.1%	-	0.0%	1.9%	217	-	-	4	1.00	-	4.00	4.00	217	-	-	17	234
100,001-1,000,000	245	98.1%	-	0.0%	1.9%	240	-	-	5	1.00	-	4.00	4.00	240	-	-	19	259
>1,000,000	18	98.1%	-	0.0%	1.9%	18	-	-	0	1.00	-	4.00	4.00	18	-	-	1	19
Total	6,215					6,097	-	-	118					6,097	-	-	472	6,569

Nitrate:																		
GRAND TOTAL	**137,498**					**134,886**	**-**	**-**	**2,612**					**134,886**	**-**	**-**	**10,450**	**145,335**

Exhibit 25 - Nitrate, Part 2

Nitrate (continued) Ground Water Systems, CWSs, NTNCWSs, and TNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year (=E*F)	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs. (=G*H)	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I	J	K=G*J
0-100	79,760	1.05	83,389	0.5	41,695	$16	$1,344,366
101-500	39,909	1.11	44,303	0.5	22,152	$16	$714,241
501-1,000	7,840	1.29	10,121	0.5	5,061	$16	$163,171
1,001-3,300	6,781	1.43	9,681	0.5	4,841	$16	$156,075
3,301-10,000	2,857	1.60	4,562	0.5	2,281	$16	$73,541
10,001-50,000	1,395	3.53	4,931	0.5	2,466	$16	$79,501
50,001-100,000	155	9.42	1,463	0.5	732	$16	$23,587
100,001-1,000,000	67	12.56	836	0.5	418	$16	$13,483
>1,000,000	2	12.56	27	0.5	13	$16	$428
Total	138,766		159,314		79,657		$2,568,394

Nitrate (continued) Surface Water Systems, CWSs, NTNCWSs, and TNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	1,236	1.04	1,282	0.5	641	$16	$20,665
101-500	1,185	1.06	1,257	0.5	629	$16	$20,267
501-1,000	467	1.16	542	0.5	271	$16	$8,739
1,001-3,300	1,058	1.14	1,207	0.5	603	$16	$19,452
3,301-10,000	1,069	1.13	1,208	0.5	604	$16	$19,474
10,001-50,000	1,043	1.58	1,645	0.5	822	$16	$26,518
50,001-100,000	234	1.98	463	0.5	231	$16	$7,463
100,001-1,000,000	259	3.30	854	0.5	427	$16	$13,772
>1,000,000	19	3.30	63	0.5	31	$16	$1,012
Total	6,569		8,520		4,260		$137,363

Nitrate GRAND TOTAL	145,335	167,834	83,917	$2,705,757

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 26 - Nitrite, Part 1

Nitrite
Ground Water Systems, CWSs, NTNCWSs, and TNCWSs

Size Category	# of Affected Systems (from C+D of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	75,459	99.8%	-	0.2%	0.0%	75,308	-	151	-	-	-	4.00	4.00	-	-	604	-	604
101-500	37,757	99.8%	-	0.2%	0.0%	37,681	-	76	-	-	-	4.00	4.00	-	-	302	-	302
501-1,000	7,417	99.8%	-	0.2%	0.0%	7,402	-	15	-	-	-	4.00	4.00	-	-	59	-	59
1,001-3,300	6,415	99.8%	-	0.2%	0.0%	6,402	-	13	-	-	-	4.00	4.00	-	-	51	-	51
3,301-10,000	2,703	99.8%	-	0.2%	0.0%	2,698	-	5	-	-	-	4.00	4.00	-	-	22	-	22
10,001-50,000	1,320	99.8%	-	0.2%	0.0%	1,317	-	3	-	-	-	4.00	4.00	-	-	11	-	11
50,001-100,000	147	99.8%	-	0.2%	0.0%	147	-	0	-	-	-	4.00	4.00	-	-	1	-	1
100,001-1,000,000	63	99.8%	-	0.2%	0.0%	63	-	0	-	-	-	4.00	4.00	-	-	1	-	1
>1,000,000	2	99.8%	-	0.2%	0.0%	2	-	0	-	-	-	4.00	4.00	-	-	0	-	0
Total	131,283					131,020	-	263	-					-	-	1,050	-	1,050

Nitrite
Surface Water Systems, CWSs, NTNCWSs, and TNCWSs

Size Category	# of Affected Systems (from C+D of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	1,169	99.8%	-	0.2%	0.0%	1,167	-	2	-	-	-	4.00	4.00	-	-	9	-	9
101-500	1,121	99.8%	-	0.2%	0.0%	1,119	-	2	-	-	-	4.00	4.00	-	-	9	-	9
501-1,000	442	99.8%	-	0.2%	0.0%	441	-	1	-	-	-	4.00	4.00	-	-	4	-	4
1,001-3,300	1,001	99.8%	-	0.2%	0.0%	999	-	2	-	-	-	4.00	4.00	-	-	8	-	8
3,301-10,000	1,011	99.8%	-	0.2%	0.0%	1,009	-	2	-	-	-	4.00	4.00	-	-	8	-	8
10,001-50,000	987	99.8%	-	0.2%	0.0%	985	-	2	-	-	-	4.00	4.00	-	-	8	-	8
50,001-100,000	221	99.8%	-	0.2%	0.0%	221	-	0	-	-	-	4.00	4.00	-	-	2	-	2
100,001-1,000,000	245	99.8%	-	0.2%	0.0%	245	-	0	-	-	-	4.00	4.00	-	-	2	-	2
>1,000,000	18	99.8%	-	0.2%	0.0%	18	-	0	-	-	-	4.00	4.00	-	-	0	-	0
Total	6,215					6,203	-	12	-					-	-	50	-	50

Nitrite: GRAND TOTAL	**137,498**					**137,223**	**-**	**275**	**-**					**-**	**-**	**1,100**	**-**	**1,100**

Exhibit 27 - Nitrite, Part 2

Nitrite (continued) Ground Water Systems, CWSs, NTNCWSs, and TNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	604	1.05	631	0.8	473	$16	$10,175
101-500	302	1.11	335	0.8	251	$16	$5,406
501-1,000	59	1.29	77	0.8	57	$16	$1,235
1,001-3,300	51	1.43	73	0.8	55	$16	$1,181
3,301-10,000	22	1.60	35	0.8	26	$16	$557
10,001-50,000	11	3.53	37	0.8	28	$16	$602
50,001-100,000	1	9.42	11	0.8	8	$16	$179
100,001-1,000,000	1	12.56	6	0.8	5	$16	$102
>1,000,000	0	12.56	0	0.8	0	$16	$3
Total	1,050		1,206		904		$19,439

Nitrite (continued) Surface Water Systems, CWSs, NTNCWSs, and TNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	9	1.04	10	0.8	7	$16	$156
101-500	9	1.06	10	0.8	7	$16	$153
501-1,000	4	1.16	4	0.8	3	$16	$66
1,001-3,300	8	1.14	9	0.8	7	$16	$147
3,301-10,000	8	1.13	9	0.8	7	$16	$147
10,001-50,000	8	1.58	12	0.8	9	$16	$201
50,001-100,000	2	1.98	4	0.8	3	$16	$56
100,001-1,000,000	2	3.30	6	0.8	5	$16	$104
>1,000,000	0	3.30	0	0.8	0	$16	$8
Total	50		64		48		$1,040

Nitrite GRAND TOTAL	**1,100**	**1,270**	**953**	**$20,479**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 28 - Selenium, Part 1

Selenium
Ground Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	79.9%	19.9%	0.2%	-	15,247	3,807	38	-	0.33	0.11	4.00	-	5,031	419	153	-	5,603
101-500	18,602	79.9%	19.9%	0.2%	-	14,856	3,709	37	-	0.33	0.11	4.00	-	4,902	408	149	-	5,459
501-1,000	5,405	79.9%	19.9%	0.2%	-	4,316	1,078	11	-	0.33	0.11	4.00	-	1,424	119	43	-	1,586
1,001-3,300	5,879	79.9%	19.9%	0.2%	-	4,695	1,172	12	-	0.33	0.11	4.00	-	1,549	129	47	-	1,725
3,301-10,000	2,637	79.9%	19.9%	0.2%	-	2,106	526	5	-	0.33	0.11	4.00	-	695	58	21	-	774
10,001-50,000	1,312	79.9%	19.9%	0.2%	-	1,048	262	3	-	0.33	0.11	4.00	-	346	29	10	-	385
50,001-100,000	146	79.9%	19.9%	0.2%	-	117	29	0	-	0.33	0.11	4.00	-	38	3	1	-	43
100,001-1,000,000	63	79.9%	19.9%	0.2%	-	50	13	0	-	0.33	0.11	4.00	-	17	1	1	-	18
>1,000,000	2	79.9%	19.9%	0.2%	-	2	0	0	-	0.33	0.11	4.00	-	1	0	0	-	1
Total	53,138					42,436	10,596	106	-					14,004	1,166	425	-	15,595

Selenium
Surface Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	91.1%	8.9%	0.0%	-	508	50	-	-	1.00	0.11	4.00	-	508	5	-	-	514
101-500	765	91.1%	8.9%	0.0%	-	697	68	-	-	1.00	0.11	4.00	-	697	7	-	-	705
501-1,000	374	91.1%	8.9%	0.0%	-	341	33	-	-	1.00	0.11	4.00	-	341	4	-	-	344
1,001-3,300	959	91.1%	8.9%	0.0%	-	874	85	-	-	1.00	0.11	4.00	-	874	9	-	-	883
3,301-10,000	994	91.1%	8.9%	0.0%	-	906	88	-	-	1.00	0.11	4.00	-	906	10	-	-	915
10,001-50,000	987	91.1%	8.9%	0.0%	-	899	88	-	-	1.00	0.11	4.00	-	899	10	-	-	909
50,001-100,000	221	91.1%	8.9%	0.0%	-	201	20	-	-	1.00	0.11	4.00	-	201	2	-	-	204
100,001-1,000,000	245	91.1%	8.9%	0.0%	-	223	22	-	-	1.00	0.11	4.00	-	223	2	-	-	226
>1,000,000	18	91.1%	8.9%	0.0%	-	16	2	-	-	1.00	0.11	4.00	-	16	0	-	-	17
Total	5,121					4,666	455	-	-					4,666	50	-	-	4,716

Selenium: GRAND TOTAL	**58,259**				**47,102**	**11,050**	**106**	**-**				**18,670**	**1,216**	**425**	**-**	**20,311**

Exhibit 29 - Selenium, Part 2

Selenium (continued)
Ground Water Systems, CWSs & NTNCWSs

Size Category	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	5,603	1.05	5,858	0.5	2,929	$32	$188,877
101-500	5,459	1.11	6,060	0.5	3,030	$32	$195,402
501-1,000	1,586	1.29	2,048	0.5	1,024	$32	$66,029
1,001-3,300	1,725	1.43	2,463	0.5	1,232	$32	$79,426
3,301-10,000	774	1.60	1,236	0.5	618	$32	$39,840
10,001-50,000	385	3.53	1,361	0.5	680	$32	$43,879
50,001-100,000	43	9.42	403	0.5	202	$32	$13,009
100,001-1,000,000	18	12.56	232	0.5	116	$32	$7,487
>1,000,000	1	12.56	7	0.5	4	$32	$238
Total	15,595		19,669		9,834		$634,185

Selenium (continued)
Surface Water Systems, CWSs & NTNCWSs

Size Category	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	514	1.04	533	0.5	267	$32	$17,189
101-500	705	1.06	747	0.5	374	$32	$24,101
501-1,000	344	1.16	400	0.5	200	$32	$12,886
1,001-3,300	883	1.14	1,007	0.5	504	$32	$32,476
3,301-10,000	915	1.13	1,035	0.5	517	$32	$33,364
10,001-50,000	909	1.58	1,433	0.5	717	$32	$46,211
50,001-100,000	204	1.98	403	0.5	202	$32	$13,006
100,001-1,000,000	226	3.30	744	0.5	372	$32	$24,000
>1,000,000	17	3.30	55	0.5	27	$32	$1,763
Total	4,716		6,358		3,179		$204,996

Selenium GRAND TOTAL	**20,311**	**26,027**	**13,013**		**$839,181**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 30 - Phase II VOCs, Part 1

Phase II VOCs
Ground Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	48.9%	44.7%	3.2%	3.2%	9,330	8,540	611	611	0.33	0.22	4.00	1.67	3,079	1,879	2,444	1,020	8,422
101-500	18,602	48.9%	44.7%	3.2%	3.2%	9,091	8,321	595	595	0.33	0.22	4.00	1.67	3,000	1,831	2,381	994	8,206
501-1,000	5,405	48.9%	44.7%	3.2%	3.2%	2,641	2,418	173	173	0.33	0.22	4.00	1.67	872	532	692	289	2,384
1,001-3,300	5,879	48.9%	44.7%	3.2%	3.2%	2,873	2,630	188	188	0.33	0.22	4.00	1.67	948	579	753	314	2,593
3,301-10,000	2,637	48.9%	44.7%	3.2%	3.2%	1,289	1,180	84	84	0.33	0.22	4.00	1.67	425	260	338	141	1,163
10,001-50,000	1,312	48.9%	44.7%	3.2%	3.2%	641	587	42	42	0.33	0.22	4.00	1.67	212	129	168	70	579
50,001-100,000	146	48.9%	44.7%	3.2%	3.2%	71	65	5	5	0.33	0.22	4.00	1.67	24	14	19	8	64
100,001-1,000,000	63	48.9%	44.7%	3.2%	3.2%	31	28	2	2	0.33	0.22	4.00	1.67	10	6	8	3	28
>1,000,000	2	48.9%	44.7%	3.2%	3.2%	1	1	0	0	0.33	0.22	4.00	1.67	0	0	0	0	1
Total	53,138					25,968	23,769	1,700	1,700					8,569	5,229	6,802	2,840	23,440

Phase II VOCs
Surface Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	70.0%	18.9%	2.9%	8.2%	391	105	16	46	1.00	0.33	4.00	2.33	391	35	65	107	597
101-500	765	70.0%	18.9%	2.9%	8.2%	536	144	22	63	1.00	0.33	4.00	2.33	536	48	89	146	818
501-1,000	374	70.0%	18.9%	2.9%	8.2%	262	71	11	31	1.00	0.33	4.00	2.33	262	23	43	71	400
1,001-3,300	959	70.0%	18.9%	2.9%	8.2%	671	181	28	79	1.00	0.33	4.00	2.33	671	60	111	183	1,026
3,301-10,000	994	70.0%	18.9%	2.9%	8.2%	696	188	29	82	1.00	0.33	4.00	2.33	696	62	115	190	1,063
10,001-50,000	987	70.0%	18.9%	2.9%	8.2%	691	186	29	81	1.00	0.33	4.00	2.33	691	62	114	189	1,056
50,001-100,000	221	70.0%	18.9%	2.9%	8.2%	155	42	6	18	1.00	0.33	4.00	2.33	155	14	26	42	236
100,001-1,000,000	245	70.0%	18.9%	2.9%	8.2%	172	46	7	20	1.00	0.33	4.00	2.33	172	15	28	47	262
>1,000,000	18	70.0%	18.9%	2.9%	8.2%	13	3	1	1	1.00	0.33	4.00	2.33	13	1	2	3	19
Total	5,121					3,586	967	149	420					3,586	319	594	978	5,477

Phase II VOCs: GRAND TOTAL	**58,259**					**29,553**	**24,736**	**1,849**	**2,120**					**12,155**	**5,548**	**7,396**	**3,818**	**28,917**

Exhibit 31 - Phase II VOCs, Part 2

Phase II VOCs (continued)
Ground Water Systems, CWSs & NTNCWSs

Size Category	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	8,422	1.05	8,805	0.0	-	$242	$2,129,249
101-500	8,206	1.11	9,109	0.0	-	$242	$2,202,802
501-1,000	2,384	1.29	3,078	0.0	-	$242	$744,355
1,001-3,300	2,593	1.43	3,703	0.0	-	$242	$895,384
3,301-10,000	1,163	1.60	1,857	0.0	-	$242	$449,121
10,001-50,000	579	3.53	2,046	0.0	-	$242	$494,654
50,001-100,000	64	9.42	606	0.0	-	$242	$146,650
100,001-1,000,000	28	12.56	349	0.0	-	$242	$84,401
>1,000,000	1	12.56	11	0.0	-	$242	$2,679
Total	23,440		29,564		-		$7,149,295

Phase II VOCs (continued)
Surface Water Systems, CWSs & NTNCWSs

Size Category	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	597	1.04	619	0.0	-	$242	$149,718
101-500	818	1.06	868	0.0	-	$242	$209,921
501-1,000	400	1.16	464	0.0	-	$242	$112,234
1,001-3,300	1,026	1.14	1,170	0.0	-	$242	$282,861
3,301-10,000	1,063	1.13	1,202	0.0	-	$242	$290,601
10,001-50,000	1,056	1.58	1,664	0.0	-	$242	$402,497
50,001-100,000	236	1.98	468	0.0	-	$242	$113,279
100,001-1,000,000	262	3.30	864	0.0	-	$242	$209,039
>1,000,000	19	3.30	64	0.0	-	$242	$15,358
Total	5,477		7,384		-		$1,785,509

Phase II VOCs GRAND TOTAL	**28,917**	**36,948**	**-**	**$8,934,804**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 32 - Phase II SOCs, Part 1

Phase II SOCs
Ground Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	20.4%	66.2%	1.0%	12.4%	3,889	12,645	191	2,367	0.33	-	4.00	1.67	1,283	-	764	3,954	6,001
101-500	18,602	20.4%	66.2%	1.0%	12.4%	3,789	12,320	186	2,307	0.33	-	4.00	1.67	1,250	-	744	3,852	5,847
501-1,000	5,405	20.4%	66.2%	1.0%	12.4%	1,101	3,580	54	670	0.33	-	4.00	1.67	363	-	216	1,119	1,699
1,001-3,300	5,879	20.4%	66.2%	1.0%	12.4%	1,197	3,894	59	729	0.33	-	4.00	1.67	395	-	235	1,217	1,848
3,301-10,000	2,637	20.4%	66.2%	1.0%	12.4%	537	1,747	26	327	0.67	-	4.00	1.67	360	-	105	546	1,011
10,001-50,000	1,312	20.4%	66.2%	1.0%	12.4%	267	869	13	163	0.67	-	4.00	1.67	179	-	52	272	503
50,001-100,000	146	20.4%	66.2%	1.0%	12.4%	30	97	1	18	0.67	-	4.00	1.67	20	-	6	30	56
100,001-1,000,000	63	20.4%	66.2%	1.0%	12.4%	13	42	1	8	0.67	-	4.00	1.67	9	-	3	13	24
>1,000,000	2	20.4%	66.2%	1.0%	12.4%	0	1	0	0	0.67	-	4.00	1.67	0	-	0	0	1
Total	53,138					10,823	35,194	531	6,589					3,860	-	2,126	11,004	16,989

Phase II SOCs
Surface Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	51.8%	27.8%	0.9%	19.5%	289	155	5	109	0.33	-	4.00	2.33	95	-	20	254	369
101-500	765	51.8%	27.8%	0.9%	19.5%	397	212	7	149	0.33	-	4.00	2.33	131	-	28	348	506
501-1,000	374	51.8%	27.8%	0.9%	19.5%	194	104	3	73	0.33	-	4.00	2.33	64	-	13	170	247
1,001-3,300	959	51.8%	27.8%	0.9%	19.5%	497	266	9	187	0.33	-	4.00	2.33	164	-	35	436	634
3,301-10,000	994	51.8%	27.8%	0.9%	19.5%	515	276	9	194	0.67	-	4.00	2.33	345	-	36	452	833
10,001-50,000	987	51.8%	27.8%	0.9%	19.5%	512	274	9	192	0.67	-	4.00	2.33	343	-	36	448	827
50,001-100,000	221	51.8%	27.8%	0.9%	19.5%	115	61	2	43	0.67	-	4.00	2.33	77	-	8	100	185
100,001-1,000,000	245	51.8%	27.8%	0.9%	19.5%	127	68	2	48	0.67	-	4.00	2.33	85	-	9	111	205
>1,000,000	18	51.8%	27.8%	0.9%	19.5%	9	5	0	4	0.67	-	4.00	2.33	6	-	1	8	15
Total	5,121					2,654	1,422	46	999					1,310	-	184	2,327	3,821

Phase II SOCs: GRAND TOTAL	**58,259**				**13,478**	**36,616**	**577**	**7,588**					**5,170**	**-**	**2,310**	**13,331**	**20,811**

Exhibit 33 - Phase II SOCs, Part 2

Phase II SOCs (continued) Ground Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	6,001	1.05	6,274	1.0	6,274	$1,161	$7,282,048
101-500	5,847	1.11	6,490	1.0	6,490	$1,161	$7,533,601
501-1,000	1,699	1.29	2,193	1.0	2,193	$1,161	$2,545,699
1,001-3,300	1,848	1.43	2,638	1.0	2,638	$1,161	$3,062,221
3,301-10,000	1,011	1.60	1,615	1.0	1,615	$1,161	$1,874,441
10,001-50,000	503	3.53	1,779	1.0	1,779	$1,161	$2,064,476
50,001-100,000	56	9.42	527	1.0	527	$1,161	$612,056
100,001-1,000,000	24	12.56	303	1.0	303	$1,161	$352,253
>1,000,000	1	12.56	10	1.0	10	$1,161	$11,183
Total	16,989		21,829		21,829		$25,337,977

Phase II SOCs (continued) Surface Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	369	1.04	383	1.0	383	$1,161	$444,411
101-500	506	1.06	537	1.0	537	$1,161	$623,110
501-1,000	247	1.16	287	1.0	287	$1,161	$333,146
1,001-3,300	634	1.14	723	1.0	723	$1,161	$839,620
3,301-10,000	833	1.13	941	1.0	941	$1,161	$1,092,445
10,001-50,000	827	1.58	1,304	1.0	1,304	$1,161	$1,513,091
50,001-100,000	185	1.98	367	1.0	367	$1,161	$425,846
100,001-1,000,000	205	3.30	677	1.0	677	$1,161	$785,834
>1,000,000	15	3.30	50	1.0	50	$1,161	$57,735
Total	3,821		5,268		5,268		$6,115,238

Phase II SOCs GRAND TOTAL	**20,811**	**27,097**	**27,097**	**$31,453,216**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 34 - Barium, Part 1

Barium
Ground Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	79.9%	19.9%	0.2%	-	15,247	3,807	38	-	0.33	0.11	4.00	-	5,031	419	153	-	5,603
101-500	18,602	79.9%	19.9%	0.2%	-	14,856	3,709	37	-	0.33	0.11	4.00	-	4,902	408	149	-	5,459
501-1,000	5,405	79.9%	19.9%	0.2%	-	4,316	1,078	11	-	0.33	0.11	4.00	-	1,424	119	43	-	1,586
1,001-3,300	5,879	79.9%	19.9%	0.2%	-	4,695	1,172	12	-	0.33	0.11	4.00	-	1,549	129	47	-	1,725
3,301-10,000	2,637	79.9%	19.9%	0.2%	-	2,106	526	5	-	0.33	0.11	4.00	-	695	58	21	-	774
10,001-50,000	1,312	79.9%	19.9%	0.2%	-	1,048	262	3	-	0.33	0.11	4.00	-	346	29	10	-	385
50,001-100,000	146	79.9%	19.9%	0.2%	-	117	29	0	-	0.33	0.11	4.00	-	38	3	1	-	43
100,001-1,000,000	63	79.9%	19.9%	0.2%	-	50	13	0	-	0.33	0.11	4.00	-	17	1	1	-	18
>1,000,000	2	79.9%	19.9%	0.2%	-	2	0	0	-	0.33	0.11	4.00	-	1	0	0	-	1
Total	53,138					42,436	10,596	106	-					14,004	1,166	425	-	15,595

Barium
Surface Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	90.7%	8.8%	0.5%	-	506	49	3	-	1.00	0.11	4.00	-	506	5	11	-	522
101-500	765	90.7%	8.8%	0.5%	-	694	68	4	-	1.00	0.11	4.00	-	694	7	15	-	716
501-1,000	374	90.7%	8.8%	0.5%	-	339	33	2	-	1.00	0.11	4.00	-	339	4	7	-	350
1,001-3,300	959	90.7%	8.8%	0.5%	-	869	85	5	-	1.00	0.11	4.00	-	869	9	19	-	898
3,301-10,000	994	90.7%	8.8%	0.5%	-	901	88	5	-	1.00	0.11	4.00	-	901	10	20	-	931
10,001-50,000	987	90.7%	8.8%	0.5%	-	895	87	5	-	1.00	0.11	4.00	-	895	10	20	-	924
50,001-100,000	221	90.7%	8.8%	0.5%	-	200	20	1	-	1.00	0.11	4.00	-	200	2	4	-	207
100,001-1,000,000	245	90.7%	8.8%	0.5%	-	222	22	1	-	1.00	0.11	4.00	-	222	2	5	-	229
>1,000,000	18	90.7%	8.8%	0.5%	-	16	2	0	-	1.00	0.11	4.00	-	16	0	0	-	17
Total	5,121					4,643	452	26	-					4,643	50	102	-	4,795

Barium:																	
GRAND TOTAL	**58,259**					**47,079**	**11,048**	**132**	**-**					**18,647**	**1,215**	**528**	**-**	**20,390**

Exhibit 35 - Barium, Part 2

Barium (continued) Ground Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	5,603	1.05	5,858	0.5	2,929	$15	$84,995
101-500	5,459	1.11	6,060	0.5	3,030	$15	$87,931
501-1,000	1,586	1.29	2,048	0.5	1,024	$15	$29,713
1,001-3,300	1,725	1.43	2,463	0.5	1,232	$15	$35,742
3,301-10,000	774	1.60	1,236	0.5	618	$15	$17,928
10,001-50,000	385	3.53	1,361	0.5	680	$15	$19,745
50,001-100,000	43	9.42	403	0.5	202	$15	$5,854
100,001-1,000,000	18	12.56	232	0.5	116	$15	$3,369
>1,000,000	1	12.56	7	0.5	4	$15	$107
Total	15,595		19,669		9,834		$285,383

Barium (continued) Surface Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	522	1.04	542	0.5	271	$15	$7,864
101-500	716	1.06	760	0.5	380	$15	$11,027
501-1,000	350	1.16	406	0.5	203	$15	$5,895
1,001-3,300	898	1.14	1,024	0.5	512	$15	$14,858
3,301-10,000	931	1.13	1,052	0.5	526	$15	$15,265
10,001-50,000	924	1.58	1,457	0.5	729	$15	$21,143
50,001-100,000	207	1.98	410	0.5	205	$15	$5,950
100,001-1,000,000	229	3.30	757	0.5	378	$15	$10,981
>1,000,000	17	3.30	56	0.5	28	$15	$807
Total	4,795		6,464		3,232		$93,790

Barium GRAND TOTAL	20,390	26,133	13,066	$379,174

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 36 - Pentachlorophenol, Part 1

Pentachlorophenol
Ground Water Systems, CWSs & NTNCWSs

	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
Size Category		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	24.9%	74.4%	0.0%	0.7%	4,762	14,196	-	134	0.33	-	4.00	1.67	1,572	-	-	223	1,795
101-500	18,602	24.9%	74.4%	0.0%	0.7%	4,640	13,832	-	130	0.33	-	4.00	1.67	1,531	-	-	217	1,749
501-1,000	5,405	24.9%	74.4%	0.0%	0.7%	1,348	4,019	-	38	0.33	-	4.00	1.67	445	-	-	63	508
1,001-3,300	5,879	24.9%	74.4%	0.0%	0.7%	1,466	4,371	-	41	0.33	-	4.00	1.67	484	-	-	69	553
3,301-10,000	2,637	24.9%	74.4%	0.0%	0.7%	658	1,961	-	18	0.67	-	4.00	1.67	441	-	-	31	472
10,001-50,000	1,312	24.9%	74.4%	0.0%	0.7%	327	976	-	9	0.67	-	4.00	1.67	219	-	-	15	235
50,001-100,000	146	24.9%	74.4%	0.0%	0.7%	36	109	-	1	0.67	-	4.00	1.67	24	-	-	2	26
100,001-1,000,000	63	24.9%	74.4%	0.0%	0.7%	16	47	-	0	0.67	-	4.00	1.67	11	-	-	1	11
>1,000,000	2	24.9%	74.4%	0.0%	0.7%	0	1	-	0	0.67	-	4.00	1.67	0	-	-	0	0
Total	53,138					13,255	39,511	-	372					4,727	-	-	621	5,348

Pentachlorophenol
Surface Water Systems, CWSs & NTNCWSs

	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
Size Category		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	64.7%	32.2%	0.2%	2.9%	361	180	1	16	0.33	-	4.00	2.33	119	-	4	38	161
101-500	765	64.7%	32.2%	0.2%	2.9%	495	247	2	22	0.33	-	4.00	2.33	163	-	6	52	221
501-1,000	374	64.7%	32.2%	0.2%	2.9%	242	121	1	11	0.33	-	4.00	2.33	80	-	3	25	108
1,001-3,300	959	64.7%	32.2%	0.2%	2.9%	620	309	2	28	0.33	-	4.00	2.33	205	-	8	65	277
3,301-10,000	994	64.7%	32.2%	0.2%	2.9%	643	321	2	29	0.67	-	4.00	2.33	431	-	8	67	506
10,001-50,000	987	64.7%	32.2%	0.2%	2.9%	638	318	2	29	0.67	-	4.00	2.33	428	-	8	67	502
50,001-100,000	221	64.7%	32.2%	0.2%	2.9%	143	71	0	6	0.67	-	4.00	2.33	96	-	2	15	112
100,001-1,000,000	245	64.7%	32.2%	0.2%	2.9%	158	79	0	7	0.67	-	4.00	2.33	106	-	2	17	125
>1,000,000	18	64.7%	32.2%	0.2%	2.9%	12	6	0	1	0.67	-	4.00	2.33	8	-	0	1	9
Total	5,121					3,311	1,651	10	149					1,634	-	41	346	2,021

Pentachlorophenol:																		
GRAND TOTAL	**58,259**					**16,566**	**41,163**	**10**	**520**					**6,361**	**-**	**41**	**967**	**7,369**

Exhibit 37 - Pentachlorophenol, Part 2

Pentachlorophenol (continued)
Ground Water Systems, CWSs & NTNCWSs

Size Category	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	1,795	1.05	1,876	0.0	-	$0	$0
101-500	1,749	1.11	1,941	0.0	-	$0	$0
501-1,000	508	1.29	656	0.0	-	$0	$0
1,001-3,300	553	1.43	789	0.0	-	$0	$0
3,301-10,000	472	1.60	753	0.0	-	$0	$0
10,001-50,000	235	3.53	829	0.0	-	$0	$0
50,001-100,000	26	9.42	246	0.0	-	$0	$0
100,001-1,000,000	11	12.56	141	0.0	-	$0	$0
>1,000,000	0	12.56	4	0.0	-	$0	$0
Total	5,348		7,237		-		$0

Pentachlorophenol (continued)
Surface Water Systems, CWSs & NTNCWSs

Size Category	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	161	1.04	167	0.0	-	$0	$0
101-500	221	1.06	234	0.0	-	$0	$0
501-1,000	108	1.16	125	0.0	-	$0	$0
1,001-3,300	277	1.14	316	0.0	-	$0	$0
3,301-10,000	506	1.13	572	0.0	-	$0	$0
10,001-50,000	502	1.58	792	0.0	-	$0	$0
50,001-100,000	112	1.98	223	0.0	-	$0	$0
100,001-1,000,000	125	3.30	411	0.0	-	$0	$0
>1,000,000	9	3.30	30	0.0	-	$0	$0
Total	2,021		2,871		-		$0

Pentachlorophenol GRAND TOTAL	**7,369**		**10,107**	**-**	**$0**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 38 - Adipates, Phthalates, Part 1

Adipates, Phthalates
Ground Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	21.8%	64.8%	1.0%	12.4%	4,160	12,374	191	2,367	0.33	-	4.00	1.67	1,373	-	764	3,954	6,090
101-500	18,602	21.8%	64.8%	1.0%	12.4%	4,053	12,056	186	2,307	0.33	-	4.00	1.67	1,338	-	744	3,852	5,934
501-1,000	5,405	21.8%	64.8%	1.0%	12.4%	1,178	3,503	54	670	0.33	-	4.00	1.67	389	-	216	1,119	1,724
1,001-3,300	5,879	21.8%	64.8%	1.0%	12.4%	1,281	3,810	59	729	0.33	-	4.00	1.67	423	-	235	1,217	1,875
3,301-10,000	2,637	21.8%	64.8%	1.0%	12.4%	575	1,709	26	327	0.67	-	4.00	1.67	385	-	105	546	1,037
10,001-50,000	1,312	21.8%	64.8%	1.0%	12.4%	286	850	13	163	0.67	-	4.00	1.67	192	-	52	272	516
50,001-100,000	146	21.8%	64.8%	1.0%	12.4%	32	95	1	18	0.67	-	4.00	1.67	21	-	6	30	57
100,001-1,000,000	63	21.8%	64.8%	1.0%	12.4%	14	41	1	8	0.67	-	4.00	1.67	9	-	3	13	25
>1,000,000	2	21.8%	64.8%	1.0%	12.4%	0	1	0	0	0.67	-	4.00	1.67	0	-	0	0	1
Total	53,138					11,578	34,440	531	6,589					4,129	-	2,126	11,004	17,258

Adipates, Phthalates
Surface Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	50.9%	28.7%	0.9%	19.5%	284	160	5	109	0.33	-	4.00	2.33	94	-	20	254	367
101-500	765	50.9%	28.7%	0.9%	19.5%	389	219	7	149	0.33	-	4.00	2.33	129	-	28	348	504
501-1,000	374	50.9%	28.7%	0.9%	19.5%	190	107	3	73	0.33	-	4.00	2.33	63	-	13	170	246
1,001-3,300	959	50.9%	28.7%	0.9%	19.5%	488	275	9	187	0.33	-	4.00	2.33	161	-	35	436	631
3,301-10,000	994	50.9%	28.7%	0.9%	19.5%	506	285	9	194	0.67	-	4.00	2.33	339	-	36	452	826
10,001-50,000	987	50.9%	28.7%	0.9%	19.5%	503	283	9	192	0.67	-	4.00	2.33	337	-	36	448	821
50,001-100,000	221	50.9%	28.7%	0.9%	19.5%	113	63	2	43	0.67	-	4.00	2.33	75	-	8	100	184
100,001-1,000,000	245	50.9%	28.7%	0.9%	19.5%	125	70	2	48	0.67	-	4.00	2.33	84	-	9	111	204
>1,000,000	18	50.9%	28.7%	0.9%	19.5%	9	5	0	4	0.67	-	4.00	2.33	6	-	1	8	15
Total	5,121					2,607	1,469	46	999					1,287	-	184	2,327	3,798

Adipates, Phthalates : GRAND TOTAL	**58,259**					**14,185**	**35,909**	**577**	**7,588**					**5,416**	**-**	**2,310**	**13,331**	**21,056**

Exhibit 39 - Adipates, Phthalates, Part 2

Adipates, Phthalates (continued) Ground Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	6,090	1.05	6,367	0.5	3,184	$242	$1,539,716
101-500	5,934	1.11	6,587	0.5	3,294	$242	$1,592,905
501-1,000	1,724	1.29	2,226	0.5	1,113	$242	$538,263
1,001-3,300	1,875	1.43	2,677	0.5	1,339	$242	$647,476
3,301-10,000	1,037	1.60	1,655	0.5	827	$242	$400,197
10,001-50,000	516	3.53	1,823	0.5	911	$242	$440,770
50,001-100,000	57	9.42	540	0.5	270	$242	$130,675
100,001-1,000,000	25	12.56	311	0.5	155	$242	$75,207
>1,000,000	1	12.56	10	0.5	5	$242	$2,388
Total	17,258		22,196		11,098		$5,367,595

Adipates, Phthalates (continued) Surface Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	367	1.04	381	0.5	191	$242	$92,159
101-500	504	1.06	534	0.5	267	$242	$129,217
501-1,000	246	1.16	286	0.5	143	$242	$69,086
1,001-3,300	631	1.14	720	0.5	360	$242	$174,115
3,301-10,000	826	1.13	934	0.5	467	$242	$225,912
10,001-50,000	821	1.58	1,294	0.5	647	$242	$312,899
50,001-100,000	184	1.98	364	0.5	182	$242	$88,063
100,001-1,000,000	204	3.30	672	0.5	336	$242	$162,506
>1,000,000	15	3.30	49	0.5	25	$242	$11,939
Total	3,798		5,235		2,617		$1,265,896

Adipates, Phthalates GRAND TOTAL	**21,056**	**27,431**	**13,716**		**$6,633,491**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 40 - PAH Benzo(a)pyrene, Part 1

PAH Benzo(a)pyrene
Ground Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	22.3%	77.2%	0.1%	0.4%	4,255	14,741	19	76	0.33	-	4.00	1.67	1,404	-	76	128	1,608
101-500	18,602	22.3%	77.2%	0.1%	0.4%	4,146	14,363	19	74	0.33	-	4.00	1.67	1,368	-	74	124	1,567
501-1,000	5,405	22.3%	77.2%	0.1%	0.4%	1,205	4,173	5	22	0.33	-	4.00	1.67	398	-	22	36	455
1,001-3,300	5,879	22.3%	77.2%	0.1%	0.4%	1,310	4,539	6	24	0.33	-	4.00	1.67	432	-	24	39	495
3,301-10,000	2,637	22.3%	77.2%	0.1%	0.4%	588	2,036	3	11	0.67	-	4.00	1.67	394	-	11	18	422
10,001-50,000	1,312	22.3%	77.2%	0.1%	0.4%	292	1,013	1	5	0.67	-	4.00	1.67	196	-	5	9	210
50,001-100,000	146	22.3%	77.2%	0.1%	0.4%	33	113	0	1	0.67	-	4.00	1.67	22	-	1	1	23
100,001-1,000,000	63	22.3%	77.2%	0.1%	0.4%	14	49	0	0	0.67	-	4.00	1.67	9	-	0	0	10
>1,000,000	2	22.3%	77.2%	0.1%	0.4%	0	2	0	0	0.67	-	4.00	1.67	0	-	0	0	0
Total	53,138					11,843	41,029	53	213					4,224	-	213	355	4,791

PAH Benzo(a)pyrene
Surface Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	61.6%	37.9%	0.0%	0.5%	344	212	-	3	0.33	-	4.00	2.33	113	-	-	7	120
101-500	765	61.6%	37.9%	0.0%	0.5%	471	290	-	4	0.33	-	4.00	2.33	155	-	-	9	164
501-1,000	374	61.6%	37.9%	0.0%	0.5%	230	142	-	2	0.33	-	4.00	2.33	76	-	-	4	80
1,001-3,300	959	61.6%	37.9%	0.0%	0.5%	591	364	-	5	0.33	-	4.00	2.33	195	-	-	11	206
3,301-10,000	994	61.6%	37.9%	0.0%	0.5%	612	377	-	5	0.67	-	4.00	2.33	410	-	-	12	422
10,001-50,000	987	61.6%	37.9%	0.0%	0.5%	608	374	-	5	0.67	-	4.00	2.33	407	-	-	11	419
50,001-100,000	221	61.6%	37.9%	0.0%	0.5%	136	84	-	1	0.67	-	4.00	2.33	91	-	-	3	94
100,001-1,000,000	245	61.6%	37.9%	0.0%	0.5%	151	93	-	1	0.67	-	4.00	2.33	101	-	-	3	104
>1,000,000	18	61.6%	37.9%	0.0%	0.5%	11	7	-	0	0.67	-	4.00	2.33	7	-	-	0	8
Total	5,121					3,154	1,941	-	26					1,557	-	-	60	1,617

PAH Benzo(a)pyrene																		
:																		
GRAND TOTAL	**58,259**					**14,997**	**42,970**	**53**	**238**					**5,781**	**-**	**213**	**415**	**6,408**

Exhibit 41 - PAH Benzo(a)pyrene, Part 2

PAH Benzo(a)pyrene (continued) Ground Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	1,608	1.05	1,681	0.0	-	$242	$406,577
101-500	1,567	1.11	1,739	0.0	-	$242	$420,622
501-1,000	455	1.29	588	0.0	-	$242	$142,134
1,001-3,300	495	1.43	707	0.0	-	$242	$170,972
3,301-10,000	422	1.60	674	0.0	-	$242	$162,913
10,001-50,000	210	3.53	742	0.0	-	$242	$179,430
50,001-100,000	23	9.42	220	0.0	-	$242	$53,196
100,001-1,000,000	10	12.56	127	0.0	-	$242	$30,615
>1,000,000	0	12.56	4	0.0	-	$242	$972
Total	4,791		6,482		-		$1,567,432

PAH Benzo(a)pyrene (continued) Surface Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	120	1.04	124	0.0	-	$242	$30,082
101-500	164	1.06	174	0.0	-	$242	$42,178
501-1,000	80	1.16	93	0.0	-	$242	$22,551
1,001-3,300	206	1.14	235	0.0	-	$242	$56,834
3,301-10,000	422	1.13	477	0.0	-	$242	$115,286
10,001-50,000	419	1.58	660	0.0	-	$242	$159,677
50,001-100,000	94	1.98	186	0.0	-	$242	$44,940
100,001-1,000,000	104	3.30	343	0.0	-	$242	$82,929
>1,000,000	8	3.30	25	0.0	-	$242	$6,093
Total	1,617		2,318		-		$560,569

PAH Benzo(a)pyrene GRAND TOTAL	**6,408**	**8,800**	**-**	**$2,128,001**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 42 - Dioxin, Part 1

Dioxin
Ground Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	7.4%	91.3%	1.30%	0%	1,406	17,438	248	-	0.33	-	4.00	1.67	464	-	993	-	1,457
101-500	18,602	7.4%	91.3%	1.30%	0%	1,370	16,991	242	-	0.33	-	4.00	1.67	452	-	967	-	1,419
501-1,000	5,405	7.4%	91.3%	1.30%	0%	398	4,937	70	-	0.33	-	4.00	1.67	131	-	281	-	412
1,001-3,300	5,879	7.4%	91.3%	1.30%	0%	433	5,370	76	-	0.33	-	4.00	1.67	143	-	306	-	449
3,301-10,000	2,637	7.4%	91.3%	1.30%	0%	194	2,409	34	-	0.67	-	4.00	1.67	130	-	137	-	267
10,001-50,000	1,312	7.4%	91.3%	1.30%	0%	97	1,198	17	-	0.67	-	4.00	1.67	65	-	68	-	133
50,001-100,000	146	7.4%	91.3%	1.30%	0%	11	133	2	-	0.67	-	4.00	1.67	7	-	8	-	15
100,001-1,000,000	63	7.4%	91.3%	1.30%	0%	5	58	1	-	0.67	-	4.00	1.67	3	-	3	-	6
>1,000,000	2	7.4%	91.3%	1.30%	0%	0	2	0	-	0.67	-	4.00	1.67	0	-	0	-	0
Total	53,138					3,913	48,535	691	-					1,395	-	2,763	-	4,158

Dioxin
Surface Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	26.8%	73.2%	0%	0%	149	409	-	-	0.33	-	4.00	2.33	49	-	-	-	49
101-500	765	26.8%	73.2%	0%	0%	205	560	-	-	0.33	-	4.00	2.33	68	-	-	-	68
501-1,000	374	26.8%	73.2%	0%	0%	100	274	-	-	0.33	-	4.00	2.33	33	-	-	-	33
1,001-3,300	959	26.8%	73.2%	0%	0%	257	702	-	-	0.33	-	4.00	2.33	85	-	-	-	85
3,301-10,000	994	26.8%	73.2%	0%	0%	266	728	-	-	0.67	-	4.00	2.33	178	-	-	-	178
10,001-50,000	987	26.8%	73.2%	0%	0%	264	723	-	-	0.67	-	4.00	2.33	177	-	-	-	177
50,001-100,000	221	26.8%	73.2%	0%	0%	59	162	-	-	0.67	-	4.00	2.33	40	-	-	-	40
100,001-1,000,000	245	26.8%	73.2%	0%	0%	66	179	-	-	0.67	-	4.00	2.33	44	-	-	-	44
>1,000,000	18	26.8%	73.2%	0%	0%	5	13	-	-	0.67	-	4.00	2.33	3	-	-	-	3
Total	5,121					1,370	3,751	-	-					677	-	-	-	677

Dioxin :															
GRAND TOTAL	**58,259**				**5,283**	**52,285**	**691**	**-**					**2,072**	**-**	**2,763**	**-**	**4,835**

Exhibit 43 - Dioxin, Part 2

Dioxin (continued)
Ground Water Systems, CWSs & NTNCWSs

Size Category	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	1,457	1.05	1,523	1.0	1,523	$1,451	$2,209,726
101-500	1,419	1.11	1,576	1.0	1,576	$1,451	$2,286,059
501-1,000	412	1.29	532	1.0	532	$1,451	$772,488
1,001-3,300	449	1.43	640	1.0	640	$1,451	$929,226
3,301-10,000	267	1.60	427	1.0	427	$1,451	$619,027
10,001-50,000	133	3.53	470	1.0	470	$1,451	$681,786
50,001-100,000	15	9.42	139	1.0	139	$1,451	$202,129
100,001-1,000,000	6	12.56	80	1.0	80	$1,451	$116,330
>1,000,000	0	12.56	3	1.0	3	$1,451	$3,693
Total	4,158		5,390		5,390		$7,820,466

Dioxin (continued)
Surface Water Systems, CWSs & NTNCWSs

Size Category	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	49	1.04	51	1.0	51	$1,451	$74,170
101-500	68	1.06	72	1.0	72	$1,451	$103,993
501-1,000	33	1.16	38	1.0	38	$1,451	$55,600
1,001-3,300	85	1.14	97	1.0	97	$1,451	$140,128
3,301-10,000	178	1.13	201	1.0	201	$1,451	$292,287
10,001-50,000	177	1.58	279	1.0	279	$1,451	$404,832
50,001-100,000	40	1.98	79	1.0	79	$1,451	$113,936
100,001-1,000,000	44	3.30	145	1.0	145	$1,451	$210,252
>1,000,000	3	3.30	11	1.0	11	$1,451	$15,447
Total	677		972		972		$1,410,645

Dioxin GRAND TOTAL	**4,835**	**6,362**	**6,362**	**$9,231,110**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 44 - Phase V VOCs, Part 1

Phase V VOCs
Ground Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	41.8%	38.3%	6.1%	13.8%	7,984	7,308	1,165	2,635	0.33	0.22	4.00	1.67	2,635	1,608	4,658	4,400	13,301
101-500	18,602	41.8%	38.3%	6.1%	13.8%	7,779	7,121	1,135	2,567	0.33	0.22	4.00	1.67	2,567	1,567	4,539	4,287	12,960
501-1,000	5,405	41.8%	38.3%	6.1%	13.8%	2,260	2,069	330	746	0.33	0.22	4.00	1.67	746	455	1,319	1,246	3,766
1,001-3,300	5,879	41.8%	38.3%	6.1%	13.8%	2,459	2,250	359	811	0.33	0.22	4.00	1.67	811	495	1,434	1,355	4,096
3,301-10,000	2,637	41.8%	38.3%	6.1%	13.8%	1,103	1,009	161	364	0.33	0.22	4.00	1.67	364	222	643	608	1,837
10,001-50,000	1,312	41.8%	38.3%	6.1%	13.8%	549	502	80	181	0.33	0.22	4.00	1.67	181	110	320	302	914
50,001-100,000	146	41.8%	38.3%	6.1%	13.8%	61	56	9	20	0.33	0.22	4.00	1.67	20	12	36	34	102
100,001-1,000,000	63	41.8%	38.3%	6.1%	13.8%	26	24	4	9	0.33	0.22	4.00	1.67	9	5	15	15	44
>1,000,000	2	41.8%	38.3%	6.1%	13.8%	1	1	0	0	0.33	0.22	4.00	1.67	0	0	0	0	1
Total	53,138					22,222	20,341	3,241	7,333					7,333	4,475	12,966	12,246	37,020

Phase V VOCs
Surface Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	46.4%	12.5%	8.2%	32.9%	259	70	46	184	1.00	0.33	4.00	2.33	259	23	183	428	893
101-500	765	46.4%	12.5%	8.2%	32.9%	355	96	63	252	1.00	0.33	4.00	2.33	355	32	251	586	1,224
501-1,000	374	46.4%	12.5%	8.2%	32.9%	173	47	31	123	1.00	0.33	4.00	2.33	173	15	123	287	598
1,001-3,300	959	46.4%	12.5%	8.2%	32.9%	445	120	79	316	1.00	0.33	4.00	2.33	445	40	315	735	1,534
3,301-10,000	994	46.4%	12.5%	8.2%	32.9%	461	124	82	327	1.00	0.33	4.00	2.33	461	41	326	762	1,590
10,001-50,000	987	46.4%	12.5%	8.2%	32.9%	458	123	81	325	1.00	0.33	4.00	2.33	458	41	324	757	1,579
50,001-100,000	221	46.4%	12.5%	8.2%	32.9%	103	28	18	73	1.00	0.33	4.00	2.33	103	9	72	169	354
100,001-1,000,000	245	46.4%	12.5%	8.2%	32.9%	114	31	20	81	1.00	0.33	4.00	2.33	114	10	80	188	392
>1,000,000	18	46.4%	12.5%	8.2%	32.9%	8	2	1	6	1.00	0.33	4.00	2.33	8	1	6	14	29
Total	5,121					2,376	641	420	1,685					2,376	211	1,680	3,926	8,192

Phase V VOCs: GRAND TOTAL	**58,259**				**24,598**	**20,982**	**3,661**	**9,018**					**9,709**	**4,686**	**14,645**	**16,172**	**45,213**

Exhibit 45 - Phase V VOCs, Part 2

Phase V VOCs (continued)
Ground Water Systems, CWSs & NTNCWSs

Size Category	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem") [1]	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	13,301	1.05	13,906	0.0	-	$0	$0
101-500	12,960	1.11	14,387	0.0	-	$0	$0
501-1,000	3,766	1.29	4,861	0.0	-	$0	$0
1,001-3,300	4,096	1.43	5,848	0.0	-	$0	$0
3,301-10,000	1,837	1.60	2,933	0.0	-	$0	$0
10,001-50,000	914	3.53	3,231	0.0	-	$0	$0
50,001-100,000	102	9.42	958	0.0	-	$0	$0
100,001-1,000,000	44	12.56	551	0.0	-	$0	$0
>1,000,000	1	12.56	17	0.0	-	$0	$0
Total	37,020		46,692		-		$0

[1] Includes Dichloromethane and 1,1,2-Trichloroethane. No incremental burden above Phase II VOCs.

Phase V VOCs (continued)
Surface Water Systems, CWSs & NTNCWSs

Size Category	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem") [1]	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	893	1.04	926	0.0	-	$0	$0
101-500	1,224	1.06	1,298	0.0	-	$0	$0
501-1,000	598	1.16	694	0.0	-	$0	$0
1,001-3,300	1,534	1.14	1,750	0.0	-	$0	$0
3,301-10,000	1,590	1.13	1,797	0.0	-	$0	$0
10,001-50,000	1,579	1.58	2,490	0.0	-	$0	$0
50,001-100,000	354	1.98	701	0.0	-	$0	$0
100,001-1,000,000	392	3.30	1,293	0.0	-	$0	$0
>1,000,000	29	3.30	95	0.0	-	$0	$0
Total	8,192		11,044		-		$0

[1] Includes Dichloromethane and 1,1,2-Trichloroethane. No incremental burden above Phase II VOCs.

Phase V VOCs GRAND TOTAL	**45,213**		**57,736**	**-**	**$0**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 46 - Phase V IOCs, Part 1

Phase V IOCs, except sulfate Ground Water Systems, CWSs & NTNCWSs	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
Size Category		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	76.7%	19.1%	4.2%	-	14,636	3,654	802	-	0.33	0.11	4.00	-	4,830	402	3,207	-	8,439
101-500	18,602	76.7%	19.1%	4.2%	-	14,260	3,561	781	-	0.33	0.11	4.00	-	4,706	392	3,125	-	8,223
501-1,000	5,405	76.7%	19.1%	4.2%	-	4,143	1,035	227	-	0.33	0.11	4.00	-	1,367	114	908	-	2,389
1,001-3,300	5,879	76.7%	19.1%	4.2%	-	4,507	1,125	247	-	0.33	0.11	4.00	-	1,487	124	988	-	2,599
3,301-10,000	2,637	76.7%	19.1%	4.2%	-	2,022	505	111	-	0.33	0.11	4.00	-	667	56	443	-	1,166
10,001-50,000	1,312	76.7%	19.1%	4.2%	-	1,006	251	55	-	0.33	0.11	4.00	-	332	28	220	-	580
50,001-100,000	146	76.7%	19.1%	4.2%	-	112	28	6	-	0.33	0.11	4.00	-	37	3	25	-	65
100,001-1,000,000	63	76.7%	19.1%	4.2%	-	48	12	3	-	0.33	0.11	4.00	-	16	1	11	-	28
>1,000,000	2	76.7%	19.1%	4.2%	-	2	0	0	-	0.33	0.11	4.00	-	1	0	0	-	1
Total	53,138					40,735	10,171	2,232	-					13,443	1,119	8,927	-	23,489

Phase V IOCs, except sulfate Surface Water Systems, CWSs & NTNCWSs	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
Size Category		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	88.8%	8.7%	2.5%	-	496	48	14	-	1.00	0.11	4.00	-	496	5	56	-	557
101-500	765	88.8%	8.7%	2.5%	-	680	66	19	-	1.00	0.11	4.00	-	680	7	77	-	763
501-1,000	374	88.8%	8.7%	2.5%	-	332	32	9	-	1.00	0.11	4.00	-	332	4	37	-	373
1,001-3,300	959	88.8%	8.7%	2.5%	-	852	83	24	-	1.00	0.11	4.00	-	852	9	96	-	957
3,301-10,000	994	88.8%	8.7%	2.5%	-	883	86	25	-	1.00	0.11	4.00	-	883	9	99	-	992
10,001-50,000	987	88.8%	8.7%	2.5%	-	877	85	25	-	1.00	0.11	4.00	-	877	9	99	-	985
50,001-100,000	221	88.8%	8.7%	2.5%	-	196	19	6	-	1.00	0.11	4.00	-	196	2	22	-	221
100,001-1,000,000	245	88.8%	8.7%	2.5%	-	218	21	6	-	1.00	0.11	4.00	-	218	2	25	-	244
>1,000,000	18	88.8%	8.7%	2.5%	-	16	2	0	-	1.00	0.11	4.00	-	16	0	2	-	18
Total	5,121					4,550	443	128	-					4,550	49	512	-	5,110

Phase V IOCs, except sulfate: GRAND TOTAL	58,259					45,285	10,614	2,360	-					17,992	1,168	9,439	-	28,599

Exhibit 47 - Phase V IOCs, Part 2

Phase V IOCs, except sulfate (continued) Ground Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	8,439	1.05	8,823	0.5	4,412	$32	$284,489
101-500	8,223	1.11	9,128	0.5	4,564	$32	$294,316
501-1,000	2,389	1.29	3,084	0.5	1,542	$32	$99,453
1,001-3,300	2,599	1.43	3,710	0.5	1,855	$32	$119,632
3,301-10,000	1,166	1.60	1,861	0.5	931	$32	$60,007
10,001-50,000	580	3.53	2,050	0.5	1,025	$32	$66,091
50,001-100,000	65	9.42	608	0.5	304	$32	$19,594
100,001-1,000,000	28	12.56	350	0.5	175	$32	$11,277
>1,000,000	1	12.56	11	0.5	6	$32	$358
Total	23,489		29,625		14,813		$955,216

Phase V IOCs, except sulfate (continued) Surface Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	557	1.04	578	0.5	289	$32	$18,626
101-500	763	1.06	810	0.5	405	$32	$26,116
501-1,000	373	1.16	433	0.5	217	$32	$13,963
1,001-3,300	957	1.14	1,091	0.5	546	$32	$35,190
3,301-10,000	992	1.13	1,121	0.5	561	$32	$36,153
10,001-50,000	985	1.58	1,553	0.5	776	$32	$50,073
50,001-100,000	221	1.98	437	0.5	219	$32	$14,093
100,001-1,000,000	244	3.30	807	0.5	403	$32	$26,006
>1,000,000	18	3.30	59	0.5	30	$32	$1,911
Total	5,110		6,889		3,445		$222,130

Phase V IOCs, except sulfate GRAND TOTAL	**28,599**	**36,515**	**18,257**	**$1,177,346**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 48 - Diquat, Part 1

Diquat, Endothall, Glyphosate
Ground Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	14.4%	84.8%	0.0%	0.8%	2,752	16,187	-	153	0.33	-	4.00	1.67	908	-	-	255	1,163
101-500	18,602	14.4%	84.8%	0.0%	0.8%	2,681	15,772	-	149	0.33	-	4.00	1.67	885	-	-	249	1,133
501-1,000	5,405	14.4%	84.8%	0.0%	0.8%	779	4,583	-	43	0.33	-	4.00	1.67	257	-	-	72	329
1,001-3,300	5,879	14.4%	84.8%	0.0%	0.8%	847	4,985	-	47	0.33	-	4.00	1.67	280	-	-	79	358
3,301-10,000	2,637	14.4%	84.8%	0.0%	0.8%	380	2,236	-	21	0.67	-	4.00	1.67	255	-	-	35	290
10,001-50,000	1,312	14.4%	84.8%	0.0%	0.8%	189	1,112	-	10	0.67	-	4.00	1.67	127	-	-	18	144
50,001-100,000	146	14.4%	84.8%	0.0%	0.8%	21	124	-	1	0.67	-	4.00	1.67	14	-	-	2	16
100,001-1,000,000	63	14.4%	84.8%	0.0%	0.8%	9	53	-	1	0.67	-	4.00	1.67	6	-	-	1	7
>1,000,000	2	14.4%	84.8%	0.0%	0.8%	0	2	-	0	0.67	-	4.00	1.67	0	-	-	0	0
Total	53,138					7,659	45,054	-	425					2,731	-	-	710	3,441

Diquat, Endothall, Glyphosate
Surface Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	41.2%	55.3%	0.0%	3.5%	230	309	-	20	0.33	-	4.00	2.33	76	-	-	46	121
101-500	765	41.2%	55.3%	0.0%	3.5%	315	423	-	27	0.33	-	4.00	2.33	104	-	-	62	166
501-1,000	374	41.2%	55.3%	0.0%	3.5%	154	207	-	13	0.33	-	4.00	2.33	51	-	-	30	81
1,001-3,300	959	41.2%	55.3%	0.0%	3.5%	395	530	-	34	0.33	-	4.00	2.33	130	-	-	78	209
3,301-10,000	994	41.2%	55.3%	0.0%	3.5%	409	550	-	35	0.67	-	4.00	2.33	274	-	-	81	355
10,001-50,000	987	41.2%	55.3%	0.0%	3.5%	407	546	-	35	0.67	-	4.00	2.33	272	-	-	80	353
50,001-100,000	221	41.2%	55.3%	0.0%	3.5%	91	122	-	8	0.67	-	4.00	2.33	61	-	-	18	79
100,001-1,000,000	245	41.2%	55.3%	0.0%	3.5%	101	136	-	9	0.67	-	4.00	2.33	68	-	-	20	88
>1,000,000	18	41.2%	55.3%	0.0%	3.5%	7	10	-	1	0.67	-	4.00	2.33	5	-	-	1	6
Total	5,121					2,109	2,833	-	179					1,041	-	-	418	1,459

Diquat, Endothall, Glyphosate: GRAND TOTAL	**58,259**					**9,768**	**47,886**	**-**	**604**					**3,773**	**-**	**-**	**1,128**	**4,900**

Exhibit 49 - Diquat, Part 2

Diquat, Endothall, Glyphosate (continued) Ground Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	1,163	1.05	1,216	0.5	608	$322	$392,113
101-500	1,133	1.11	1,258	0.5	629	$322	$405,658
501-1,000	329	1.29	425	0.5	213	$322	$137,077
1,001-3,300	358	1.43	511	0.5	256	$322	$164,890
3,301-10,000	290	1.60	463	0.5	231	$322	$149,236
10,001-50,000	144	3.53	510	0.5	255	$322	$164,366
50,001-100,000	16	9.42	151	0.5	76	$322	$48,730
100,001-1,000,000	7	12.56	87	0.5	43	$322	$28,045
>1,000,000	0	12.56	3	0.5	1	$322	$890
Total	3,441		4,624		2,312		$1,491,006

Diquat, Endothall, Glyphosate (continued) Surface Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	121	1.04	126	0.5	63	$322	$40,588
101-500	166	1.06	176	0.5	88	$322	$56,909
501-1,000	81	1.16	94	0.5	47	$322	$30,427
1,001-3,300	209	1.14	238	0.5	119	$322	$76,683
3,301-10,000	355	1.13	402	0.5	201	$322	$129,512
10,001-50,000	353	1.58	556	0.5	278	$322	$179,380
50,001-100,000	79	1.98	157	0.5	78	$322	$50,485
100,001-1,000,000	88	3.30	289	0.5	144	$322	$93,162
>1,000,000	6	3.30	21	0.5	11	$322	$6,845
Total	1,459		2,059		1,030		$663,990

Diquat, Endothall, Glyphosate GRAND TOTAL	**4,900**	**6,684**	**3,342**	**$2,154,997**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 50 - Oxamyl, Part 1

Oxamyl
Ground Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	23.1%	76.8%	0.0%	0.1%	4,410	14,663	-	19	0.33	-	4.00	1.67	1,455	-	-	32	1,487
101-500	18,602	23.1%	76.8%	0.0%	0.1%	4,296	14,287	-	19	0.33	-	4.00	1.67	1,418	-	-	31	1,449
501-1,000	5,405	23.1%	76.8%	0.0%	0.1%	1,248	4,151	-	5	0.33	-	4.00	1.67	412	-	-	9	421
1,001-3,300	5,879	23.1%	76.8%	0.0%	0.1%	1,358	4,515	-	6	0.33	-	4.00	1.67	448	-	-	10	458
3,301-10,000	2,637	23.1%	76.8%	0.0%	0.1%	609	2,025	-	3	0.67	-	4.00	1.67	408	-	-	4	412
10,001-50,000	1,312	23.1%	76.8%	0.0%	0.1%	303	1,008	-	1	0.67	-	4.00	1.67	203	-	-	2	205
50,001-100,000	146	23.1%	76.8%	0.0%	0.1%	34	112	-	0	0.67	-	4.00	1.67	23	-	-	0	23
100,001-1,000,000	63	23.1%	76.8%	0.0%	0.1%	15	48	-	0	0.67	-	4.00	1.67	10	-	-	0	10
>1,000,000	2	23.1%	76.8%	0.0%	0.1%	0	2	-	0	0.67	-	4.00	1.67	0	-	-	0	0
Total	53,138					12,273	40,812	-	53					4,377	-	-	89	4,466

Oxamyl
Surface Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	64.7%	35.3%	0.0%	0.0%	361	197	-	-	0.33	-	4.00	2.33	119	-	-	-	119
101-500	765	64.7%	35.3%	0.0%	0.0%	495	270	-	-	0.33	-	4.00	2.33	163	-	-	-	163
501-1,000	374	64.7%	35.3%	0.0%	0.0%	242	132	-	-	0.33	-	4.00	2.33	80	-	-	-	80
1,001-3,300	959	64.7%	35.3%	0.0%	0.0%	621	338	-	-	0.33	-	4.00	2.33	205	-	-	-	205
3,301-10,000	994	64.7%	35.3%	0.0%	0.0%	643	351	-	-	0.67	-	4.00	2.33	431	-	-	-	431
10,001-50,000	987	64.7%	35.3%	0.0%	0.0%	639	348	-	-	0.67	-	4.00	2.33	428	-	-	-	428
50,001-100,000	221	64.7%	35.3%	0.0%	0.0%	143	78	-	-	0.67	-	4.00	2.33	96	-	-	-	96
100,001-1,000,000	245	64.7%	35.3%	0.0%	0.0%	159	86	-	-	0.67	-	4.00	2.33	106	-	-	-	106
>1,000,000	18	64.7%	35.3%	0.0%	0.0%	12	6	-	-	0.67	-	4.00	2.33	8	-	-	-	8
Total	5,121					3,314	1,807	-	-					1,636	-	-	-	1,636

Oxamyl: GRAND TOTAL	**58,259**					**15,588**	**42,618**	**-**	**53**					**6,013**	**-**	**-**	**89**	**6,102**

Exhibit 51 - Oxamyl, Part 2

Oxamyl (continued)
Ground Water Systems, CWSs & NTNCWSs

Size Category	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem") [1]	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	1,487	1.05	1,555	0.0	-	$0	$0
101-500	1,449	1.11	1,608	0.0	-	$0	$0
501-1,000	421	1.29	544	0.0	-	$0	$0
1,001-3,300	458	1.43	654	0.0	-	$0	$0
3,301-10,000	412	1.60	659	0.0	-	$0	$0
10,001-50,000	205	3.53	725	0.0	-	$0	$0
50,001-100,000	23	9.42	215	0.0	-	$0	$0
100,001-1,000,000	10	12.56	124	0.0	-	$0	$0
>1,000,000	0	12.56	4	0.0	-	$0	$0
Total	4,466		6,087		-		$0

[1] No incremental burden above Phase II SOCs.

Oxamyl (continued)
Surface Water Systems, CWSs & NTNCWSs

Size Category	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem") [1]	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	119	1.04	124	0.0	-	$0	$0
101-500	163	1.06	173	0.0	-	$0	$0
501-1,000	80	1.16	93	0.0	-	$0	$0
1,001-3,300	205	1.14	234	0.0	-	$0	$0
3,301-10,000	431	1.13	487	0.0	-	$0	$0
10,001-50,000	428	1.58	675	0.0	-	$0	$0
50,001-100,000	96	1.98	190	0.0	-	$0	$0
100,001-1,000,000	106	3.30	350	0.0	-	$0	$0
>1,000,000	8	3.30	26	0.0	-	$0	$0
Total	1,636		2,351		-		$0

[1] No incremental burden above Phase II SOCs.

Oxamyl GRAND TOTAL	**6,102**		**8,438**	**-**	**$0**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 52 - Dinoseb, Part 1

Dinoseb
Ground Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	22.3%	77.3%	0.0%	0.4%	4,263	14,752	-	76	0.33	-	4.00	1.67	1,407	-	-	128	1,534
101-500	18,602	22.3%	77.3%	0.0%	0.4%	4,154	14,374	-	74	0.33	-	4.00	1.67	1,371	-	-	124	1,495
501-1,000	5,405	22.3%	77.3%	0.0%	0.4%	1,207	4,176	-	22	0.33	-	4.00	1.67	398	-	-	36	434
1,001-3,300	5,879	22.3%	77.3%	0.0%	0.4%	1,313	4,543	-	24	0.33	-	4.00	1.67	433	-	-	39	472
3,301-10,000	2,637	22.3%	77.3%	0.0%	0.4%	589	2,038	-	11	0.67	-	4.00	1.67	395	-	-	18	412
10,001-50,000	1,312	22.3%	77.3%	0.0%	0.4%	293	1,014	-	5	0.67	-	4.00	1.67	196	-	-	9	205
50,001-100,000	146	22.3%	77.3%	0.0%	0.4%	33	113	-	1	0.67	-	4.00	1.67	22	-	-	1	23
100,001-1,000,000	63	22.3%	77.3%	0.0%	0.4%	14	49	-	0	0.67	-	4.00	1.67	9	-	-	0	10
>1,000,000	2	22.3%	77.3%	0.0%	0.4%	0	2	-	0	0.67	-	4.00	1.67	0	-	-	0	0
Total	53,138					11,866	41,060	-	213					4,232	-	-	355	4,587

Dinoseb
Surface Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	61.0%	36.5%	0.0%	2.5%	340	204	-	14	0.33	-	4.00	2.33	112	-	-	33	145
101-500	765	61.0%	36.5%	0.0%	2.5%	466	280	-	19	0.33	-	4.00	2.33	154	-	-	45	198
501-1,000	374	61.0%	36.5%	0.0%	2.5%	228	137	-	9	0.33	-	4.00	2.33	75	-	-	22	97
1,001-3,300	959	61.0%	36.5%	0.0%	2.5%	585	350	-	24	0.33	-	4.00	2.33	193	-	-	56	249
3,301-10,000	994	61.0%	36.5%	0.0%	2.5%	606	363	-	25	0.67	-	4.00	2.33	406	-	-	58	464
10,001-50,000	987	61.0%	36.5%	0.0%	2.5%	602	361	-	25	0.67	-	4.00	2.33	403	-	-	57	461
50,001-100,000	221	61.0%	36.5%	0.0%	2.5%	135	81	-	6	0.67	-	4.00	2.33	90	-	-	13	103
100,001-1,000,000	245	61.0%	36.5%	0.0%	2.5%	149	90	-	6	0.67	-	4.00	2.33	100	-	-	14	114
>1,000,000	18	61.0%	36.5%	0.0%	2.5%	11	7	-	0	0.67	-	4.00	2.33	7	-	-	1	8
Total	5,121					3,122	1,871	-	128					1,541	-	-	298	1,839

Dinoseb: GRAND TOTAL	**58,259**					**14,987**	**42,931**	**-**	**341**					**5,773**	**-**	**-**	**653**	**6,426**

Exhibit 53 - Dinoseb, Part 2

Dinoseb (continued) Ground Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem") [1]	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	1,534	1.05	1,604	0.0	-	$0	$0
101-500	1,495	1.11	1,660	0.0	-	$0	$0
501-1,000	434	1.29	561	0.0	-	$0	$0
1,001-3,300	472	1.43	675	0.0	-	$0	$0
3,301-10,000	412	1.60	658	0.0	-	$0	$0
10,001-50,000	205	3.53	725	0.0	-	$0	$0
50,001-100,000	23	9.42	215	0.0	-	$0	$0
100,001-1,000,000	10	12.56	124	0.0	-	$0	$0
>1,000,000	0	12.56	4	0.0	-	$0	$0
Total	4,587		6,225		-		$0

[1] No incremental burden above Phase II SOCs.

Dinoseb (continued) Surface Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem") [1]	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	145	1.04	150	0.0	-	$0	$0
101-500	198	1.06	211	0.0	-	$0	$0
501-1,000	97	1.16	113	0.0	-	$0	$0
1,001-3,300	249	1.14	284	0.0	-	$0	$0
3,301-10,000	464	1.13	524	0.0	-	$0	$0
10,001-50,000	461	1.58	726	0.0	-	$0	$0
50,001-100,000	103	1.98	204	0.0	-	$0	$0
100,001-1,000,000	114	3.30	377	0.0	-	$0	$0
>1,000,000	8	3.30	28	0.0	-	$0	$0
Total	1,839		2,617		-		$0

[1] No incremental burden above Phase II SOCs.

Dinoseb				
GRAND TOTAL	**6,426**	**8,841**	**-**	**$0**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 54 - Endrin, Hexachlorobenzene, and hexachlorocyclopentadiene, Part 1

Endrin, hexachlorobenzene, and hexachlorocyclopentadiene
Ground Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	19,092	20.0%	79.9%	0.0%	0.1%	3,820	15,253	-	19	0.33	-	4.00	1.67	1,261	-	-	32	1,293
101-500	18,602	20.0%	79.9%	0.0%	0.1%	3,722	14,861	-	19	0.33	-	4.00	1.67	1,228	-	-	31	1,259
501-1,000	5,405	20.0%	79.9%	0.0%	0.1%	1,082	4,318	-	5	0.33	-	4.00	1.67	357	-	-	9	366
1,001-3,300	5,879	20.0%	79.9%	0.0%	0.1%	1,176	4,697	-	6	0.33	-	4.00	1.67	388	-	-	10	398
3,301-10,000	2,637	20.0%	79.9%	0.0%	0.1%	528	2,107	-	3	0.67	-	4.00	1.67	354	-	-	4	358
10,001-50,000	1,312	20.0%	79.9%	0.0%	0.1%	263	1,048	-	1	0.67	-	4.00	1.67	176	-	-	2	178
50,001-100,000	146	20.0%	79.9%	0.0%	0.1%	29	117	-	0	0.67	-	4.00	1.67	20	-	-	0	20
100,001-1,000,000	63	20.0%	79.9%	0.0%	0.1%	13	50	-	0	0.67	-	4.00	1.67	8	-	-	0	9
>1,000,000	2	20.0%	79.9%	0.0%	0.1%	0	2	-	0	0.67	-	4.00	1.67	0	-	-	0	0
Total	53,138					10,633	42,452	-	53					3,792	-	-	89	3,881

Endrin, hexachlorobenzene, and hexachlorocyclopentadiene
Surface Water Systems, CWSs & NTNCWSs

Size Category	# of Affected Systems (from C of "systems")	Percent of Systems by Scenario (from "% by scenario")				Number of Systems by Scenario				Annual Sampling Frequency by Scenario (from "frequency")				Annual Sampling Events by Scenario				
	A	B				C=A*B				D				E=C*D				
		Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Below trigger & no waiver	Scen. 2 Below trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Scen. 1 Above trigger & no waiver	Scen. 2 Above trigger & waiver	Scen. 3 Above MCL	Scen. 4 Above trigger & below MCL	Total
0-100	558	52.6%	37.8%	0.6%	9.0%	293	211	3	50	0.33	-	4.00	2.33	97	-	13	117	227
101-500	765	52.6%	37.8%	0.6%	9.0%	402	289	5	69	0.33	-	4.00	2.33	133	-	18	160	312
501-1,000	374	52.6%	37.8%	0.6%	9.0%	197	141	2	34	0.33	-	4.00	2.33	65	-	9	78	152
1,001-3,300	959	52.6%	37.8%	0.6%	9.0%	504	363	6	86	0.33	-	4.00	2.33	166	-	23	201	391
3,301-10,000	994	52.6%	37.8%	0.6%	9.0%	523	376	6	89	0.67	-	4.00	2.33	350	-	24	208	583
10,001-50,000	987	52.6%	37.8%	0.6%	9.0%	519	373	6	89	0.67	-	4.00	2.33	348	-	24	207	578
50,001-100,000	221	52.6%	37.8%	0.6%	9.0%	116	84	1	20	0.67	-	4.00	2.33	78	-	5	46	130
100,001-1,000,000	245	52.6%	37.8%	0.6%	9.0%	129	93	1	22	0.67	-	4.00	2.33	86	-	6	51	144
>1,000,000	18	52.6%	37.8%	0.6%	9.0%	9	7	0	2	0.67	-	4.00	2.33	6	-	0	4	11
Total	5,121					2,693	1,936	31	461					1,330	-	123	1,074	2,526

Endrin, hexachlorobenzene, and hexachlorocyclopentadiene: GRAND TOTAL	**58,259**					**13,326**	**44,388**	**31**	**514**					**5,121**	**-**	**123**	**1,163**	**6,407**

Exhibit 55 - Endrin, Hexachlorobenzene, and hexachlorocyclopentadiene, Part 2

Endrin, hexachlorobenzene, and hexachlorocyclopentadiene (continued) Ground Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem") [1]	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	1,293	1.05	1,351	0.0	0	$0	$0
101-500	1,259	1.11	1,398	0.0	0	$0	$0
501-1,000	366	1.29	472	0.0	0	$0	$0
1,001-3,300	398	1.43	568	0.0	0	$0	$0
3,301-10,000	358	1.60	571	0.0	0	$0	$0
10,001-50,000	178	3.53	629	0.0	0	$0	$0
50,001-100,000	20	9.42	187	0.0	0	$0	$0
100,001-1,000,000	9	12.56	107	0.0	0	$0	$0
>1,000,000	0	12.56	3	0.0	0	$0	$0
Total	3,881		5,289		0		$0

[1] Assumes that no systems would be vulnerable after compliance with Phase II. Note that this may be an underestimate because they were present in the National Pesticide Survey.

Endrin, hexachlorobenzene, and hexachlorocyclopentadiene (continued) Surface Water Systems, CWSs & NTNCWSs							
	Total Annual Sampling Events (carried forward from previous pg.)	Samples per Event (from B of "sampling pts")	Total Number of Samples per Year	Burden		Cost	
				Burden per Sample, hrs. (from "burden by chem") [1]	Total Burden, hrs.	Cost per Sample, $ (from "burden by chem")	Total Cost, $
Size Category	E	F	G=E*F	H	I=G*H	J	K=G*J
0-100	227	1.04	236	0.0	0	$0	$0
101-500	312	1.06	331	0.0	0	$0	$0
501-1,000	152	1.16	177	0.0	0	$0	$0
1,001-3,300	391	1.14	445	0.0	0	$0	$0
3,301-10,000	583	1.13	659	0.0	0	$0	$0
10,001-50,000	578	1.58	912	0.0	0	$0	$0
50,001-100,000	130	1.98	257	0.0	0	$0	$0
100,001-1,000,000	144	3.30	474	0.0	0	$0	$0
>1,000,000	11	3.30	35	0.0	0	$0	$0
Total	2,526		3,524		0		$0

[1] Assumes that no systems would be vulnerable after compliance with Phase II. Note that this may be an underestimate because they were present in the National Pesticide Survey.

Endrin, hexachlorobenzene, and hexachlorocyclopentadiene GRAND TOTAL	**6,407**	**8,813**	**-**	**$0**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 56 - Chemicals - Summary of Original and Revised Burden Estimates

No changes in burden estimates based on May 2015 consultations.

Appendix E

Radionuclides Rule Spreadsheets

Exhibit 1a - Radionuclides PWS Burden and Cost Summary

Requirement	Avg. Annual Respondents	Avg. Annual Responses	Annual Burden	Annual Burden (Labor) Cost	Annual O&M Cost	Annual Capital Cost
Monitoring	50,431	91,261	45,631	$1,578,457	$9,703,298	N/A
Total	**50,431**	**91,261**	**45,631**	**$1,578,457**	**$9,703,298**	**N/A**

Note: Initial monitoring was completed under the 2004 OMB-approved ICR.

Exhibit 1b - Radionuclides Primacy Agency Burden and Cost Summary

Requirement	Avg. Annual Respondents	Avg. Annual Responses	Annual Burden	Annual Burden (Labor) Cost	Annual O&M Cost	Annual Capital Cost
Monitoring	57	91,261	5,476	$249,691	N/A	N/A
Total	**57**	**91,261**	**5,476**	**$249,691**	**N/A**	**N/A**

Note: Initial monitoring was completed under the 2004 OMB-approved ICR.

Exhibit 2 - STATE BURDEN ASSOCIATED WITH RADIONUCLIDES MONITORING

Monitoring Related Burden and Costs - Primacy Agencies

Activity	Hours/1000 Analyses	Labor rate ($/hr)	Total Cost/ 1000 Analyses
Recordkeeping	12	45.60	$ 547
Reporting	26	45.60	$ 1,186
Compliance Tracking and Analysis	22	45.60	$ 1,003
Total	**60**	45.60	**$ 2,736**

Note: Burden estimates are carried forward from estimates in the 2000 Radionuclides Rule ICR. Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 3
GROSS ALPHA MONITORING

	Years:			
	2016	**2017**	**2018**	**3-Yr.Avg**
GA<3 SM GF[1]				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	-	1	-	0
Systems	26,460	26,460	26,460	26,460
Total Samples	-	36,075	-	12,025
Cost per Sample	$64	$64	$64	$64
Total Cost	$0	$2,320,076	$0	$773,359
GA<3 LG GF[2]				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	-	1	-	0
Systems	18,219	18,219	18,219	18,219
Total Samples	0	64,147	0	21,382
Cost per Sample	$64	$64	$64	$64
Total Cost	$0	$4,125,534	$0	$1,375,178
3<GA<7.5 SM GF[3]				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	-	-	-	-
Systems	1,758	1,758	1,758	1,758
Total Samples	-	-	-	-
Cost per Sample	$64	$64	$64	$64
Total Cost	$0	$0	$0	$0
3<GA<7.5 LG GF[4]				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	-	-	-	-
Systems	969	969	969	969
Total Samples	-	-	-	-
Cost per Sample	$64	$64	$64	$64
Total Cost	$0	$0	$0	$0
7.5<GA<15 SM GF [5]				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	1	-	-	0
Systems	954	954	954	954
Total Samples	1,300	-	-	433
Cost per Sample	$64	$64	$64	$64
Total Cost	$83,618	$0	$0	$27,873
7.5<GA<15 LG GF [6]				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	1	-	-	0
Systems	969	969	969	969
Total Samples	3,411	-	-	1,137
Cost per Sample	$64	$64	$64	$64
Total Cost	$219,384	$0	$0	$73,128
GA>15 AND AGA<15 SM GF[7]				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	-	1	-	0
Systems	418	418	418	418
Total Samples	-	569	-	190
Cost per Sample	$64	$64	$64	$64
Total Cost	$0	$36,609	$0	$12,203

Exhibit 3 (continued)
GROSS ALPHA MONITORING

GA>15 AND AGA<15 LG GF[8]				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	-	1	-	0
Systems	185	185	185	185
Total Samples	-	651	-	217
Cost per Sample	$64	$64	$64	$64
Total Cost	$0	$41,900	$0	$13,967
GA>15 and AGA>15 SM NO GF[9]				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	1	1	1	1
Systems	238	238	238	238
Total Samples	325	325	325	325
Cost per Sample	$64	$64	$64	$64
Total Cost	$20,884	$20,884	$20,884	$20,884
GA>15 and AGA>15 LG NO GF[10]				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	1	1	1	1
Systems	261	261	261	261
Total Samples	919	919	919	919
Cost per Sample	$64	$64	$64	$64
Total Cost	$59,090	$59,090	$59,090	$59,090
	Years:			
2000 GROSS ALPHA SCENARIO 3	**2016**	**2017**	**2018**	**3-Yr.Avg**
Systems	50,431	50,431	50,431	**50,431**
Total Samples	5,955	102,686	1,243	**36,628**
Collection Burden (0.5 hrs/sample)	2,977	51,343	622	**18,314**
Total Cost	$382,975	$6,604,091	$79,973	**$2,355,680**

Source:
Total number of systems from October 2014 SDWIS.
Distribution of systems based on 2000 Radionuclides Rule ICR.
Number of sites (entry points) per system from analysis of 2006 CWSS data.
As defined in 2000 Radionuclides Rule ICR, small systems are those serving 10,000 or fewer. Large systems serve more than 10,000.
Sampling costs from 2000 Radionuclides Rule ICR, updated from 1998$ to 2013$.
Notes:
ICR period covers January 2016 - December 2018.
1 - small systems with gross alpha < 3 and grandfathered data monitor every 9 years beginning in 2008
2 - large systems with gross alpha < 3 and grandfathered data monitor every 9 years beginning in 2008
3 - small systems with gross alpha between 3 and 7.5 and grandfathered data monitor every 6 years beginning in 2009
4 - large systems with gross alpha between 3 and 7.5 and grandfathered data monitor every 6 years beginning in 2009
5 - small systems with gross alpha between 7.5 and 15 and grandfathered data monitor every 3 years beginning in 2010
6 - large systems with gross alpha between 7.5 and 15 and grandfathered data monitor every 3 years beginning in 2010
7 - small systems with gross alpha higher than 15 and adjusted gross alpha less than 15 and grandfathered data monitor every 9 years beginning in 2008
8 - large systems with gross alpha higher than 15 and adjusted gross alpha lower than 15 and grandfathered data monitor every 9 years starting in 2008
9 - small systems with gross alpha higher than 15 and adjusted gross alpha higher than 15 are assumed not to grandfather data, and are assumed to monitor annually beginning in 2005
10 - large systems with gross alpha higher than 15 and adjusted gross alpha higher than 15 are assumed not to grandfather data and to monitor annually beginning in 2005

Exhibit 4
GROSS BETA MONITORING

	Years:			
	2016	**2017**	**2018**	**3-Yr.Avg**
Not Vulnerable[1]				
Sites per System	1.56	1.56	1.56	1.56
Samples per Site	-	-	-	-
Systems	48,414	48,414	48,414	48,414
Total Samples	0	0	0	0
Average Cost per Sample	$64	$64	$64	$64
Total Cost	$0	$0	$0	$0
Vulnerable SW > 100,000[2]				
Sites per System	3.30	3.30	3.30	3.30
Samples per Site	-	-	-	-
Systems	10	10	10	10
Total Samples	0	0	0	0
Average Cost per Sample	$219	$219	$219	$219
Total Cost	$0	$0	$0	$0
Vulnerable w/o known contam., GB < 4[3]				
Sites per System	1.56	1.56	1.56	1.56
Samples per Site	6	6	6	6
Systems	2,007	2,007	2,007	2,007
Total Samples	18,769	18,769	18,769	18,769
Average Cost per Sample	$94	$94	$94	$94
Total Cost	$1,756,977	$1,756,977	$1,756,977	$1,756,977
Vulnerable w/o known contam., GB > 4[4]				
Sites per System	1.56	1.56	1.56	1.56
Samples per Site	20	20	20	20
Systems	-	-	-	-
Total Samples	0	0	0	0
Average Cost per Sample	$99	$99	$99	$99
Total Cost	$0	$0	$0	$0
Vulnerable w/ known contam.[5]				
Sites per System	1.56	1.56	1.56	1.56
Samples per Site	10	10	10	10
Systems	-	-	-	-
Total Samples	0	0	0	0
Average Cost per Sample	$131	$131	$131	$131
Total Cost	$0	$0	$0	$0
	Years:			
2000 GROSS BETA	**2016**	**2017**	**2018**	**3-Yr.Avg**
Systems	50,431	50,431	50,431	**50,431**
Total Samples	18,769	18,769	18,769	**18,769**
Collection Burden (0.5 hrs/sample)	9,384	9,384	9,384	**9,384**
Total Cost	$1,756,977	$1,756,977	$1,756,977	**$1,756,977**

Source:
Total number of systems from October 2014 SDWIS
Distribution of systems based on 2000 Radionuclides Rule ICR
Number of sites (entry points) per system from analysis of 2006 CWSS data
Sampling costs from 2000 Radionuclides Rule ICR, updated from 1998$ to 2013$.

Notes:
ICR period covers January 2016 - December 2018.
1 - not vulnerable systems are not required to monitor
2 - vulnerable SW systems serving more than 100,000 are not automatically required to monitor
3 - vulnerable systems without known contamination and gross beta less than 4 take 6 samples per year beginning in 2004 (quarterly gross beta, 1 tritium, and 1 strontium)
4 - vulnerable systems without known contamination and gross beta greater than 4 take 20 samples per year beginning in 2004 (monthly gross beta, quarterly tritium, and quarterly strontium)
5 - vulnerable systems with known contamination take 10 samples a year beginning in 2004 (quarterly gross beta, quarterly iodine, 1 strontium, and 1 tritium)

Exhibit 5

COMBINED RADIUM MONITORING

	Years:			
	2016	**2017**	**2018**	**3-Yr.Avg**
GA<5 and RA228<2.5 and CR<1 SM[1]				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	-	1	-	0
Systems	22,205	22,205	22,205	22,205
Total Samples	-	30,273	-	10,091
Average Cost per Sample	$ 157.21	$ 157.21	$ 157.21	$ 157.21
Total Cost	$ -	$ 4,759,152.66	$ -	$ 1,586,384.22
GA<5 and RA228<2.5 and CR<1 LG[2]				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	-	1	-	0
Systems	15,214	15,214	15,214	15,214
Total Samples	-	53,566	-	17,855
Average Cost per Sample	$ 157.21	$ 157.21	$ 157.21	$ 157.21
Total Cost	$ -	$ 8,421,121.32	$ -	$ 2,807,040.44
GA<5 and RA228<2.5 and 1<CR<2.5 SM[3]				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	-	-	-	-
Systems	5,301	5,301	5,301	5,301
Total Samples	-	-	-	-
Average Cost per Sample	$ 157.21	$ 157.21	$ 157.21	$ 157.21
Total Cost	$ -	$ -	$ -	$ -
GA<5 and RA228<2.5 and 1<CR<2.5 LG[4]				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	-	-	-	-
Systems	3,632	3,632	3,632	3,632
Total Samples	-	-	-	-
Average Cost per Sample	$ 157.21	$ 157.21	$ 157.21	$ 157.21
Total Cost	$ -	$ -	$ -	$ -
GA<5 and RA228<2.5 and 2.5<CR<5 SM[5]				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	1	-	-	0
Systems	917	917	917	917
Total Samples	1,250	-	-	417
Average Cost per Sample	$ 157.21	$ 157.21	$ 157.21	$ 157.21
Total Cost	$ 196,570.16	$ -	$ -	$ 65,523.39
GA<5 and RA228<2.5 and 2.5<CR<5 LG[6]				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	1	-	-	0
Systems	628	628	628	628
Total Samples	2,211	-	-	737
Average Cost per Sample	$ 157.21	$ 157.21	$ 157.21	$ 157.21
Total Cost	$ 347,533.34	$ -	$ -	$ 115,844.45

Exhibit 5 (continued)
COMBINED RADIUM MONITORING

GA<5 and RA228<2.5 and CR>5 SM[7]				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	2	2	2	2
Systems	230	230	230	230
Total Samples	626	626	626	626
Average Cost per Sample	$ 142.92	$ 142.92	$ 142.92	$ 142.92
Total Cost	$ 89,442.47	$ 89,442.47	$ 89,442.47	$ 89,442.47
GA<5 and RA228<2.5 and CR>5 LG[8]				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	2	2	2	2
Systems	157	157	157	157
Total Samples	1,109	1,109	1,109	1,109
Average Cost per Sample	$ 142.92	$ 142.92	$ 142.92	$ 142.92
Total Cost	$ 158,446.95	$ 158,446.95	$ 158,446.95	$ 158,446.95
GA<5 and RA228>2.5 and CR<1 SM[9]				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	-	1	-	0
Systems	208	208	208	208
Total Samples	-	283	-	94
Average Cost per Sample	$ 157.21	$ 157.21	$ 157.21	$ 157.21
Total Cost	$ -	$ 44,517.96	$ -	$ 14,839.32
GA<5 and RA228>2.5 and CR<1 LG[10]				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	-	1	-	0
Systems	208	208	208	208
Total Samples	-	731	-	244
Average Cost per Sample	$ 157.21	$ 157.21	$ 157.21	$ 157.21
Total Cost	$ -	$ 114,969.49	$ -	$ 38,323.16
GA<5 and RA228>2.5 and 1<CR<2.5 SM[11]				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	-	-	-	-
Systems	49	49	49	49
Total Samples	-	-	-	-
Average Cost per Sample	$ 157.21	$ 157.21	$ 157.21	$ 157.21
Total Cost	$ -	$ -	$ -	$ -
GA<5 and RA228>2.5 and 1<CR<2.5 LG[12]				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	-	-	-	-
Systems	49	49	49	49
Total Samples	-	-	-	-
Average Cost per Sample	$ 157.21	$ 157.21	$ 157.21	$ 157.21
Total Cost	$ -	$ -	$ -	$ -

Exhibit 5 (continued)
COMBINED RADIUM MONITORING

GA<5 and RA228>2.5 and 2.5<CR<5 SM[13]								
Sites per System		1.36		1.36		1.36		1.36
Sampling Frequency per Site		1		-		-		0
Systems		9		9		9		9
Total Samples		12		-		-		4
Average Cost per Sample	$	157.21	$	157.21	$	157.21	$	157.21
Total Cost	$	1,829.51	$	-	$	-	$	609.84
GA<5 and RA228>2.5 and 2.5<CR<5 LG[14]								
Sites per System		3.52		3.52		3.52		3.52
Sampling Frequency per Site		1		-		-		0
Systems		9		9		9		9
Total Samples		30		-		-		10
Average Cost per Sample	$	157.21	$	157.21	$	157.21	$	157.21
Total Cost	$	4,724.77	$	-	$	-	$	1,574.92
GA<5 and RA228>2.5 and CR>5 SM[15]								
Sites per System		1.36		1.36		1.36		1.36
Sampling Frequency per Site		2		2		2		2
Systems		2		2		2		2
Total Samples		5		5		5		5
Average Cost per Sample	$	142.92	$	142.92	$	142.92	$	142.92
Total Cost	$	739.19	$	739.19	$	739.19	$	739.19
GA<5 and RA228>2.5 and CR>5 LG[16]								
Sites per System		3.52		3.52		3.52		3.52
Sampling Frequency per Site		2		2		2		2
Systems		2		2		2		2
Total Samples		13		13		13		13
Average Cost per Sample	$	142.92	$	142.92	$	142.92	$	142.92
Total Cost	$	1,909.00	$	1,909.00	$	1,909.00	$	1,909.00
GA>5 and CR<1 w/GF SM[17]								
Sites per System		1.36		1.36		1.36		1.36
Sampling Frequency per Site		-		2		-		1
Systems		238		238		238		238
Total Samples		-		649		-		216
Average Cost per Sample	$	142.92	$	142.92	$	142.92	$	142.92
Total Cost	$	-	$	92,768.85	$	-	$	30,922.95
GA>5 and CR<1 w/GF LG[18]								
Sites per System		3.52		3.52		3.52		3.52
Sampling Frequency per Site		-		2		-		1
Systems		267		267		267		267
Total Samples		-		1,883		-		628
Average Cost per Sample	$	142.92	$	142.92	$	142.92	$	142.92
Total Cost	$	-	$	269,168.92	$	-	$	89,722.97

Exhibit 5 (continued)
COMBINED RADIUM MONITORING

GA>5 and 1<CR<2.5 w/GF SM[19]				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	-	-	-	-
Systems	149	149	149	149
Total Samples	-	-	-	-
Average Cost per Sample	$ 142.92	$ 142.92	$ 142.92	$ 142.92
Total Cost	$ -	$ -	$ -	$ -
GA>5 and 1<CR<2.5 w/GF LG[20]				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	-	-	-	-
Systems	185	185	185	185
Total Samples	-	-	-	-
Average Cost per Sample	$ 142.92	$ 142.92	$ 142.92	$ 142.92
Total Cost	$ -	$ -	$ -	$ -
GA>5 and 2.5<CR<5 w/GF SM[21]				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	2	-	-	1
Systems	89	89	89	89
Total Samples	243	-	-	81
Average Cost per Sample	$ 142.92	$ 142.92	$ 142.92	$ 142.92
Total Cost	$ 34,742.12	$ -	$ -	$ 11,580.71
GA>5 and 2.5<CR<5 w/GF LG[22]				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	2	-	-	1
Systems	83	83	83	83
Total Samples	581	-	-	194
Average Cost per Sample	$ 142.92	$ 142.92	$ 142.92	$ 142.92
Total Cost	$ 83,041.47	$ -	$ -	$ 27,680.49
GA>5 and CR>5 SM[23]				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	2	2	2	2
Systems	417	417	417	417
Total Samples	1,138	1,138	1,138	1,138
Average Cost per Sample	$ 142.92	$ 142.92	$ 142.92	$ 142.92
Total Cost	$ 162,622.68	$ 162,622.68	$ 162,622.68	$ 162,622.68
GA>5 and CR>5 LG[24]				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	2	2	2	2
Systems	185	185	185	185
Total Samples	1,302	1,302	1,302	1,302
Average Cost per Sample	$143	$143	$143	$143
Total Cost	$186,127	$186,127	$186,127	$186,127

Exhibit 5 (continued)
COMBINED RADIUM MONITORING

	Years:			
2000 COMBINED RADIUMS SCENARIO 2	**2016**	**2017**	**2018**	**3-Yr.Avg**
Sites per System				
Sampling Frequency per Site				
Systems	50,431	50,431	50,431	**50,431**
Total Samples	8,520	91,579	4,193	**34,764**
Collection Burden (0.5 hrs/sample)	4,260	45,789	2,097	**17,382**
Total Cost	$1,267,729	$14,300,987	$599,288	**$5,389,335**

Source:

Total number of systems from October 2014 SDWIS

Distribution of systems based on 2000 Radionuclides Rule ICR

Number of sites (entry points) per system from analysis of 2006 CWSS data

As defined in 2000 Radionuclides ICR, small systems are those serving 10,000 or fewer. Large systems serve more than 10,000.

Sampling costs from 2000 Radionuclides Rule ICR, updated from 1998$ to 2013$.

Notes:

ICR period covers January 2016 - December 2018.

1 - Small systems with gross alpha less than 5, Ra-228 less than 2.5 and combined radium less than 1 monitor Ra-228 every 9 years beginning in 2008

2 - Large systems with gross alpha less than 5, Ra-228 less than 2.5 and combined radium less than 1 monitor Ra-228 every 9 years beginning in 2008

3 - Small systems with gross alpha less than 5, Ra-228 less than 2.5 and combined radium between 1 and 2.5 monitor Ra-228 every 6 years beginning in 2009

4 - Large systems with gross alpha less than 5, Radium 228 less than 2.5 and combined radium between 1 and 2.5 monitor every 6 years beginning in 2009

5 - Small systems with gross alpha less than 5, Ra-228 less than 2.5 and combined radium between 2.5 and 5 monitor Ra-228 every 3 years beginning in 2010

6 - Large systems with gross alpha less than 5, Ra-228 less than 2.5 and combined radium between 2.5 and 5 monitor Ra-228 every 3 years beginning in 2010

7 - Small systems with gross alpha less than 5, Ra-228 less than 2.5 and combined radium greater than 5 monitor Ra-226 and Ra-228 annually beginning in 2005

8 - Large systems with gross alpha less than 5, Ra-228 less than 2.5 and combined radium greater than 5 monitor Ra-226 and Ra-228 annually beginning in 2005

9 - Small systems with gross alpha less than 5, Ra-228 greater than 2.5 and combined radium less than 1 monitor Ra-228 every 9 years beginning in 2008

10 - Large systems with gross alpha less than 5, Ra-228 greater than 2.5 and combined radium less than 1 monitor Ra-228 every 9 years beginning in 2008

11 - Small systems with gross alpha less than 5, Ra-228 greater than 2.5 and combined radium between 1 and 2.5 monitor Ra-228 every 6 years beginning in 2009

12 - Large systems with gross alpha less than 5, Ra-228 greater than 2.5 and combined radium between 1 and 2.5 monitor Ra-228 every 6 years beginning in 2009

13 - Small systems with gross alpha less than 5, Ra-228 greater than 2.5 and combined radium between 2.5 and 5 monitor Ra-228 every 3 years beginning in 2010

14 - Large systems with gross alpha less than 5, Ra-228 greater than 2.5 and combined radium between 2.5 and 5 monitor Ra-228 every 3 years beginning in 2010

15 - Small systems with gross alpha less than 5, Ra-228 greater than 2.5 and combined radium greater than 5 monitor Ra-226 and Ra-228 annually beginning in 2005

16 - Large systems with gross alpha less than 5, Ra-228 greater than 2.5 and combined radium greater than 5 monitor Ra-226 and Ra-228 annually beginning in 2005

17 - Small systems with gross alpha greater than 5 and combined radium less than 1 with grandfathered data monitor Ra-226 and Ra-228 every 9 years beginning in 2008

18 - Large systems with gross alpha greater than 5 and combined radium less than 1 with grandfathered data monitor Ra-226 and Ra-228 every 9 years beginning in 2008

19 - Small systems with gross alpha greater than 5 and combined radium between 1 and 2.5 with grandfathered data monitor Ra-226 and Ra-228 every 6 years beginning in 2009

20 - Large systems with gross alpha greater than 5 and combined radium between 1 and 2.5 with grandfathered data monitor Ra-226 and Ra-228 every 6 years beginning in 2009

21 - Small systems with gross alpha greater than 5 and combined radium between 2.5 and 5 with grandfathered data monitor Ra-226 and Ra-228 every 3 years beginning in 2010

22 - Large systems with gross alpha greater than 5 and combined radium between 2.5 and 5 with grandfathered data monitor Ra-226 and Ra-228 every 3 years beginning in 2010

23 - Small systems with gross alpha greater than 5 and combined radium greater than 5 monitor Ra-226 and Ra-228 annually beginning in 2005

24 - Large systems with gross alpha greater than 5 and combined radium greater than 5 monitor Ra-226 and Ra-228 annually beginning in 2005

Exhibit 6
URANIUM MONITORING

	Years:			
	2016	**2017**	**2018**	**3-Yr.Avg**
GA>15 AND U<30 with GF[1]				
Sites per System	1.56	1.56	1.56	1.56
Sampling Frequency per Site	-	1	-	0
Systems	290	290	290	290
Total Samples	0	451	0	150
Cost per Sample	$183	$183	$183	$183
Total Cost	$0	$82,562	$0	$27,521
GA>15 AND U<30, No GF[2]				
Sites per System	1.56	1.56	1.56	1.56
Sampling Frequency per Site	-	-	1	0
Systems	239	239	239	239
Total Samples	-	-	373	124
Cost per Sample	$183	$183	$183	$183
Total Cost	$0	$0	$68,215	$22,738
GA>15 and U>30[3]				
Sites per System	1.56	1.56	1.56	1.56
Sampling Frequency per Site	1	1	1	1
Systems	530	530	530	530
Total Samples	826	826	826	826
Cost per Sample	$183	$183	$183	$183
Total Cost	$151,047	$151,047	$151,047	$151,047

	Years:			
2000 URANIUM SCENARIO 2	**2016**	**2017**	**2018**	**3-Yr.Avg**
Systems	1,059	1,059	1,059	**1,059**
Total Samples	826	1,277	1,199	**1,100**
Collection Burden (0.5 hrs/sample)	413	639	599	**550**
Total Cost	$151,047	$233,609	$219,262	**$201,306**

Source:
Total number of systems from October 2014 SDWIS
Distribution of systems based on 2000 Radionuclides Rule ICR
Number of sites (entry points) per system from analysis of 2006 CWSS data
Sampling costs from 2000 Radionuclides Rule ICR, updated from 1998$ to 2013$.
Notes:
ICR period covers January 2016 - December 2018.
Assumes uranium monitoring not required for systems with gross alpha less than 15.
1 - Systems with gross alpha greater than 15 and uranium less than 30 and grandfathered data monitor every 3 years beginning in 2008
2 - System with gross alpha greater than 15 and uranium less than 30 with no grandfathered data monitor every 3 years beginning in 2009
3 - Systems with gross alpha greater than 15 and uranium greater than 30 monitor annually beginning in 2005

Exhibit 7
Radionuclides - Summary of Original and Revised Burden Estimates

No changes in burden estimates based on May 2015 consultations.

Appendix F

Disinfectant Residual Monitoring and Associated Activities under the Surface Water Treatment Rule Spreadsheets

Exhibit 1a - SWTR Residual Monitoring PWS Burden and Cost Summary

Requirement	Avg. Annual Respondents	Avg. Annual Responses	Annual Burden	Annual Burden (Labor) Cost	Annual O&M Cost	Annual Capital Cost
Distribution System Residuals	14,792	1,887,419	157,285	$5,440,799	$53,949,374	N/A
Entry Point Residuals - Filtered Systems	14,758	7,144,724	898,782	$31,090,651	$1,256,526	$5,465,223
Entry Point Residuals - Unfiltered Systems	34	19,782	3,297	$114,051	$15,082	$26,631
Total	**14,792**	**9,051,925**	**1,059,363**	**$36,645,501**	**$55,220,981**	**$5,491,854**

Exhibit 1b - SWTR Residual Monitoring Primacy Agency Burden and Cost Summary

Requirement	Annual Respondents	Avg. Annual Responses	Annual Burden	Annual Burden (Labor) Cost	Annual O&M Cost	Annual Capital Cost
Residual Monitoring Review	57	177,507	157,975	$7,203,642	N/A	N/A
Total	**57**	**177,507**	**157,975**	**$7,203,642**	**N/A**	**N/A**

Note: State burden associated with SWTR residual derived from the original State Workload Model and apportioned based on the percentage of PWS burden associated with residual monitoring. The remaining SWTR state burden is discussed in the Microbial ICR.

Exhibit 2 - Average Number of Routine Total Coliform Samples Surface/GWUDI Systems (Used to Determine Number of Disinfectant Samples in Distribution System)

SURFACE/GWUDI

Population Range	Routine Samples Required	CWSs		NTNCWSs		TNCWSs		Total PWSs	
		SW PWSs	Samples	SW PWSs	Samples	SW PWSs	Samples	SW PWSs	Samples
	A	B	C=B*A	D	E=D*A	F	G=F*A	H=B+D+F	I=C+E+G
≤500	1	3,062	3,062	598	598	2,137	2,137	5,796	5,796
501-1,000	1	1,131	1,131	92	92	95	95	1,318	1,318
1,001-2,500	2	1,862	3,724	69	138	39	78	1,970	3,940
2,501-3,300	3	635	1,905	19	57	13	40	667	2,002
3,301-4,100	4	442	1,768	10	40	7	28	459	1,836
4,101-4,900	5	354	1,770	5	25	3	15	362	1,810
4,901-5,800	6	362	2,172	13	78	2	12	377	2,262
5,801-6,700	7	271	1,897	8	56	4	28	283	1,981
6,701-7,600	8	231	1,848	5	40	1	8	237	1,896
7,601-8,500	9	212	1,908	6	54	0	0	218	1,962
8,501-10,000	10	347	3,470	6	60	3	30	356	3,560
10,001-12,900	10	374	3,740	2	20	0	0	376	3,760
12,901-17,200	15	438	6,570	0	0	1	15	439	6,585
17,201-21.500	20	307	6,140	1	20	0	0	308	6,160
21,501-25,000	25	181	4,525	0	0	0	0	181	4,525
25,001-33,000	30	302	9,060	2	60	1	30	305	9,150
33,001-41,000	40	224	8,960	0	0	0	0	224	8,960
41,001-50,000	50	160	8,000	1	50	0	0	161	8,050
50,001-59,000	60	115	6,900	0	0	0	0	115	6,900
59,001-70,000	70	113	7,910	0	0	0	0	113	7,910
70,001-83,000	80	75	6,000	1	80	0	0	76	6,080
83,001-96,000	90	68	6,120	0	0	0	0	68	6,120
96,001-130,000	100	118	11,800	0	0	0	0	118	11,800
130,001-220,000	120	120	14,400	1	120	0	0	121	14,520
220,001-320,000	150	57	8,550	0	0	0	0	57	8,550
320,001-450,000	180	25	4,500	0	0	0	0	25	4,500
450,001-600,000	210	16	3,360	0	0	0	0	16	3,360
600,001-780,000	240	13	3,120	0	0	0	0	13	3,120
780,001-970,000	270	8	2,160	0	0	0	0	8	2,160
970,001-1,230,000	300	9	2,700	0	0	0	0	9	2,700
1,230,001-1,520,000	330	6	1,980	0	0	0	0	6	1,980
1,520,001-1,850,000	360	4	1,440	0	0	0	0	4	1,440
1,850,001-2,270,000	390	1	390	0	0	1	390	2	780
2,270,001-3,020,000	420	2	840	0	0	0	0	2	840
3,020,001-3,960,000	450	1	450	0	0	0	0	1	450
Over 3,960,000	480	1	480	0	0	0	0	1	480
		11,647	154,750	839	1,588	2,307	2,905	14,793	159,244

Source: Number of PWSs from SDWIS October 2014.

Note: All surface water systems are assumed to be conducting monthly routine monitoring.

Exhibit 3 - System Inventory and Entry Points

Population Category	Systems (SW/GWUDI)			Unfiltered Surface Water/GWUDI			Filtered Surface Water/GWUDI		
	CWS	NTNC	TNC	CWS	NTNC	TNC	CWS	NTNC	TNC
	A	B	C	D	E	F	G	H	I
≤100	970	314	1,630	3	1	3	967	313	1,627
101-500	2,092	283	506	7	0	0	2,085	283	506
501-1000	1,131	92	95	4	0	0	1,127	92	95
1,001-3,300	2,497	88	52	6	1	0	2,491	87	52
3,301-10,000	2,219	53	20	4	1	0	2,215	52	20
10,001-50,000	1,986	6	2	6	0	0	1,980	6	2
50,001-100,000	389	1	0	2	0	0	387	1	0
100,001-1,000,000	343	1	0	1	0	0	342	1	0
>1,000,000	20	0	1	1	0	0	19	0	1

Population Category	Entry Points Per System (SW/GWUDI)			Total Filtered Entry Points (SW/GWUDI)			Total Unfiltered Entry Points (SW/GWUDI)		
	CWS	NTNC	TNC	CWS	NTNC	TNC	CWS	NTNC	TNC
	J	K	L	M=G*J	N=H*K	O=I*L	P=D*J	Q=E*K	R=F*L
≤100	1.0	1.0	1.0	982	313	1,627	3	1	3
101-500	1.1	1.0	1.0	2,201	283	506	7	0	0
501-1,000	1.0	1.0	1.0	1,161	92	95	4	0	0
1,001-3,300	1.0	1.0	1.0	2,491	87	52	6	1	0
3,301-10,000	1.1	1.0	1.0	2,367	52	20	4	1	0
10,001-50,000	1.1	1.0	1.0	2,140	6	2	6	0	0
50,001-100,000	1.3	1.0	1.0	522	1	0	3	0	0
100,001-1,000,000	1.7	1.0	1.0	577	1	0	2	0	0
>1,000,000	1.7	1.0	1.0	32	0	1	2	0	0

Source: Number of systems from SDWIS/FED data from October 2014. Source was not specified for some systems. These PWSs were assigned to SW or GW categories based on the ratio of SW to GW systems within a given size category.

Note: This inventory is based on the assumption that *all* non-community SW/GWUDI systems will conduct filtration, and *all* SW/GWUDI systems will conduct monitoring for disinfectant residual, whether or not they purchase their water or treat their own. (The turbidity requirements of the Surface Water Treatment Rule, addressed in the Microbial Rules ICR, are assumed to apply only to systems that have treatment plants).

Entry Points: From analysis of data from the 2006 Community Water System Survey. Includes treated surface water entry points.

Exhibit 4 - Distribution System Residual Monitoring Burden and Costs

SW/GWUDI Systems

Population Category	Hourly Labor Rate	Number of SW Systems			Annual Samples Required Per System	Annual Calculation Burden Per System (hrs)	O&M (Analytical) Cost Per Sample	Annual O&M (Analytical) Cost Per System	Average Annual Burden Hours	Average Annual Labor Cost	Average Annual O&M Cost
		CWS	NTNC	TNC	(Based on TCR/RTCR routine monitoring schedule)	(5 min. per sample)					
	A	B	C	D	E	F=E*5/60	G	H=E*G	I=F(B+C+D)	J=I*A	K=H(B+C+D)
≤ 1000	$34.59	4,193	690	2,232	12	1	$29	$343	7,114	$246,090	$2,440,156
1,001-3,300	$34.59	2,497	88	52	27	2	$29	$773	5,942	$205,531	$2,037,983
3,301-10,000	$34.59	2,219	53	20	80	7	$29	$2,291	15,307	$529,500	$5,250,365
10,001-50,000	$34.59	1,986	6	2	284	24	$29	$8,118	47,190	$1,632,396	$16,186,367
50,001-100,000	$34.59	389	1	0	871	73	$29	$24,905	28,317	$979,539	$9,712,827
100,001-1,000,000	$34.59	343	1	0	1,609	134	$29	$45,999	46,133	$1,595,816	$15,823,645
>1,000,000	$34.59	20	0	1	4,162	347	$29	$118,954	7,283	$251,927	$2,498,031
Total		**11,647**	**839**	**2,307**					**157,285**	**$5,440,799**	**$53,949,374**

Source: Burden estimates based on a previous DBP/Chem ICR. Burden estimates take into account results of May 2015 consultations with water industry representatives. O&M costs based on figures from the Stage 1 DBPR ICR, inflated to 2013 dollars. Number of samples based on requirements for monthly TCR sampling (see Exhibit 2). Burden associated with sampling itself is addressed under the Microbial Rules ICR in the section on the TCR. Note that the burden for disinfectant residual monitoring is underestimated because it does not include disinfectant residual measured during repeat sampling.

Exhibit 5 - Entry Point Residual Monitoring Burden and Labor Costs (Filtered Surface Water Systems)

Filtered SW/GWUDI Systems

Population Category	Hourly Labor Rate	Number of Filtered Entry Points			% Cont. Monitoring	Annual Calculations Required Per Entry Point- Cont. Monitoring	Annual Calculations Required Per Entry Point - Grab Sampling	Annual Calc/Reporting Burden Per Entry Point - Cont. Monitoring (hrs)	Annual Calc/Reporting Burden Per Entry Point - Grab Sampling (hrs)	Average Annual Burden Hours	Average Annual Labor Cost
		CWS	NTNC	TNC				(5.5 min. per calc.)	(10.0 min. per calc.)		
	A	B	C	D	E	F	G	H=F*5.5/60	I=G*10/60	J	K=J*A
≤ 500	$34.59	3,183	597	2,134	50%	365	365	33	61	278,782	$9,643,640
501-1,000	$34.59	1,161	92	95	50%	365	730	33	122	104,576	$3,617,493
1,001-2,500	$34.59	1,246	44	26	50%	365	1,095	33	183	142,003	$4,912,161
2,501-3,300	$34.59	1,246	44	26	50%	365	1,460	33	243	182,004	$6,295,868
3,301-10,000	$34.59	2,367	52	20	100%	365	N/A	33	N/A	81,619	$2,823,360
10,001-50,000	$34.59	2,140	6	2	100%	365	N/A	33	N/A	71,871	$2,486,167
50,001-100,000	$34.59	522	1	0	100%	365	N/A	33	N/A	17,497	$605,260
100,001-1,000,000	$34.59	577	1	0	100%	365	N/A	33	N/A	19,324	$668,472
>1,000,000	$34.59	32	0	1	100%	365	N/A	33	N/A	1,105	$38,230
Total		**12,473**	**836**	**2,304**						**898,782**	**$31,090,651**

Source: Burden estimates based on a previous DDBP/Chem/Rads ICR. Burden estimates take into account results of May 2015 consultations with water industry representatives.

[B] - [D] Number of filtered entry points from System Inventory and Entry Points sheet (see Exhibit 3).

[E] Assumes 50 percent of systems serving 3,300 or less will conduct grab sampling and the other 50 percent will conduct continuous monitoring.

[G] According to 40 CFR 141.74(c)(2), systems conducting grab sampling and serving 500 or less must sample once per day. Systems serving 501-1,000 must sample twice a day. Systems serving 1,001-2,500 must take 3 samples a day. Systems serving 2,501-3,300 must take 4 samples a day.

[I] Burden for collecting grab samples addressed in the Microbial Rules ICR under the section on SWTR and turbidity monitoring.

[J] = (B+C+D)(E*H+(1-E)*I)

Exhibit 6 - Entry Point Residual Monitoring O&M and Capital Costs (Filtered Surface Water Systems)

Filtered SW/GWUDI Systems

Population Category	Number of Filtered Entry Points			% Cont. Monitoring	Calculations/Entry Point/Year - Cont. Monitoring	Calculations/Entry Point/Year - Grab Sampling	O&M Unit Costs		Annual O&M Costs		Capital Unit Costs		Annual Capital Costs	
	CWS	NTNC	TNC				Continuous Monitoring	Grab Sampling	Continuous Monitoring	Grab Sampling	Continuous Monitoring	Grab Sampling	Continuous Monitoring	Grab Sampling
							Materials (per calc.)	Materials (per calc.)	Unit O&M costs * # Entry Points * # Samples	Unit O&M costs * # Entry Points * # Samples	In-line Analyzer	Bench-Top Unit	1/7 of systems replace per year	1/7 of systems replace per year
< 500	3,183	597	2,134	50%	365	365	$0.18	$0.18	$189,789	$189,789	$3,398	$406	$1,435,345	$171,419
501-1000	1,161	92	95	50%	365	730	$0.18	$0.18	$43,274	$86,548	$3,398	$406	$327,276	$39,086
1,001-2,500	1,246	44	26	50%	365	1095	$0.18	$0.18	$42,209	$126,627	$3,398	$406	$319,221	$38,124
2,501-3,300	1,246	44	26	50%	365	1460	$0.18	$0.18	$42,209	$168,836	$3,398	$406	$319,221	$38,124
3,301-10,000	2,367	52	20	100%	365	N/A	$0.18	$0.18	$156,590	N/A	$3,398	N/A	$1,184,269	N/A
10,001-50,000	2,140	6	2	100%	365	N/A	$0.18	$0.18	$137,889	N/A	$3,398	N/A	$1,042,832	N/A
50,001-100,000	522	1	0	100%	365	N/A	$0.18	$0.18	$33,569	N/A	$3,398	N/A	$253,879	N/A
100,001-1,000,000	577	1	0	100%	365	N/A	$0.18	$0.18	$37,075	N/A	$3,398	N/A	$280,393	N/A
>1,000,000	32	0	1	100%	365	N/A	$0.18	$0.18	$2,120	N/A	$3,398	N/A	$16,036	N/A
Total	**12,473**	**836**	**2,304**						**$684,725**	**$571,801**			**$5,178,472**	**$286,751**

Source: Number of filtered entry points from System Inventory and Entry Points sheet (Exhibit 3).

Note: O&M and capital unit costs updated from $2000 to $2013

Exhibit 7 - Entry Point Residual Monitoring Burden and Labor Costs (Unfiltered Surface Water Systems)

Unfiltered SW/GWUDI Systems

Population Category	Hourly Labor Rate	Number of Unfiltered Entry Points			% Cont. Monitoring	Annual Calculations Required Per Entry Point- Cont. Monitoring	Annual Calculations Required Per Entry Point - Grab Sampling	Annual Calc/Reporting Burden Per Entry Point - Cont. Monitoring (hrs)	Annual Calc/Reporting Burden Per Entry Point - Grab Sampling (hrs)	Average Annual Burden Hours	Average Annual Labor Cost
		CWS	NTNC	TNC				(10 min. per calc.)	(10 min. per calc.)		
	A	B	C	D	E	F	G	H	I	J	K=J*A
≤ 500	$34.59	10	1	3	50%	365	365	61	61	878	$30,381
501-1,000	$34.59	4	0	0	50%	365	730	61	122	376	$13,006
1,001-2,500	$34.59	3	1	0	50%	365	1,095	61	183	426	$14,730
2,501-3,300	$34.59	3	1	0	50%	365	1,460	61	243	532	$18,413
3,301-10,000	$34.59	4	1	0	100%	365	N/A	61	N/A	321	$11,101
10,001-50,000	$34.59	6	0	0	100%	365	N/A	61	N/A	395	$13,647
50,001-100,000	$34.59	3	0	0	100%	365	N/A	61	N/A	164	$5,676
100,001-1,000,000	$34.59	2	0	0	100%	365	N/A	61	N/A	103	$3,548
>1,000,000	$34.59	2	0	0	100%	365	N/A	61	N/A	103	$3,548
Total		**37**	**3**	**3**						**3,297**	**$114,051**

Source: Burden estimates based on a previous DBP/Chem ICR. Burden estimates take into account results of May 2015 consultations with water industry representatives. The calculation and reporting burden is higher for unfiltered systems because they must determine CT (i.e., calculate whether required disinfection has been achieved).

[E] Assumes 50 percent of systems serving 3,300 or less will conduct grab sampling and the other 50 percent will conduct continuous monitoring.

[G] According to 40 CFR 141.74(b)(5), systems conducting grab sampling and serving 500 or less must sample once per day. Systems serving 501-1,000 must sample twice a day. Systems serving 1,001-2,500 must take 3 samples a day. Systems serving 2,501-3,300 must take 4 samples a day.

[H]-[I] Includes burden for recording pH and temperature (used to calculate CT). Burden for collecting grab samples addressed in the Microbial Rules ICR under the section on SWTR and turbidity monitoring.

[J] = (B+C+D)(E*H+(1-E)*I)

Exhibit 8 - Entry Point Residual Monitoring O&M and Capital Costs (Unfiltered Surface Water Systems)

Unfiltered SW/GWUDI Systems

Residual Analyzers

Population Category	Number of Unfiltered Entry Points			% Cont. Monitoring	Calculations/Entry Point/Year - Cont. Monitoring	Calculations/Entry Point/Year - Grab Sampling	O&M Unit Costs		Annual O&M Costs		Capital Unit Costs		Annual Capital Costs	
	CWS	NTNC	TNC				Continuous Monitoring	Grab Sampling	Continuous Monitoring	Grab Sampling	Continuous Monitoring	Grab Sampling	Continuous Monitoring	Grab Sampling
							Materials (per calc.)	Materials (per calc.)	Unit O&M costs * # Entry Points * # Samples	Unit O&M costs * # Entry Points * # Samples	In-line Analyzer	Bench-Top Unit	1/7 of systems replace per year	1/7 of systems replace per year
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
< 500	10	1	3	50%	365	365	$0.18	$0.18	$463	$463	$3,398	$406	$3,505	$419
501-1,000	4	0	0	50%	365	730	$0.18	$0.18	$132	$264	$3,398	$406	$1,000	$119
1,001-2,500	3	1	0	50%	365	1095	$0.18	$0.18	$112	$337	$3,398	$406	$850	$101
2,501-3,300	3	1	0	50%	365	1460	$0.18	$0.18	$112	$449	$3,398	$406	$850	$101
3,301-10,000	4	1	0	100%	365	N/A	$0.18	$0.18	$339	N/A	$3,398	N/A	$2,561	N/A
10,001-50,000	6	0	0	100%	365	N/A	$0.18	$0.18	$416	N/A	$3,398	N/A	$3,148	N/A
50,001-100,000	3	0	0	100%	365	N/A	$0.18	$0.18	$173	N/A	$3,398	N/A	$1,310	N/A
100,001-1,000,000	2	0	0	100%	365	N/A	$0.18	$0.18	$108	N/A	$3,398	N/A	$818	N/A
>1,000,000	2	0	0	100%	365	N/A	$0.18	$0.18	$108	N/A	$3,398	N/A	$818	N/A
Total	**37**	**3**	**3**						**$1,965**	**$1,514**			**$14,860**	**$741**

pH Monitors

Population Category	Number of Unfiltered Entry Points			% Cont. Monitoring	Calculations/Entry Point/Year - Cont. Monitoring	Calculations/Entry Point/Year - Grab Sampling	O&M Unit Costs		Annual O&M Costs		Capital Unit Costs		Annual Capital Costs	
	CWS	NTNC	TNC				Continuous Monitoring	Grab Sampling	Continuous Monitoring	Grab Sampling	Continuous Monitoring	Grab Sampling	Continuous Monitoring	Grab Sampling
							Materials (per entry point)	Materials (per entry point)	Unit O&M costs * # Entry Points	Unit O&M costs * # Entry Points	In-line Analyzer	Bench-Top Unit	1/7 of systems replace per year	1/7 of systems replace per year
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
< 500	10	1	3	50%	365	365	$244	$325	$1,758	$2,344	$2,178	$825	$2,246	$851
501-1,000	4	0	0	50%	365	730	$244	$325	$502	$669	$2,178	$825	$641	$243
1,001-2,500	3	1	0	50%	365	1095	$244	$325	$426	$568	$2,178	$825	$545	$206
2,501-3,300	3	1	0	50%	365	1460	$244	$325	$426	$568	$2,178	$825	$545	$206
3,301-10,000	4	1	0	100%	365	N/A	$244	$325	$1,285	N/A	$2,178	N/A	$1,641	N/A
10,001-50,000	6	0	0	100%	365	N/A	$244	$325	$1,579	N/A	$2,178	N/A	$2,018	N/A
50,001-100,000	3	0	0	100%	365	N/A	$244	$325	$657	N/A	$2,178	N/A	$839	N/A
100,001-1,000,000	2	0	0	100%	365	N/A	$244	$325	$411	N/A	$2,178	N/A	$525	N/A
>1,000,000	2	0	0	100%	365	N/A	$244	$325	$411	N/A	$2,178	N/A	$525	N/A
Total	**37**	**3**	**3**						**$7,453**	**$4,149**			**$9,524**	**$1,507**

Source: Number of unfiltered entry points based on System Inventory and Entry Points sheet (see Exhibit 3).
Note: O&M and capital unit costs updated from $2000 to $2013.

Exhibit 9
Surface Water Treatment Rule - Summary of Original and Revised Burden Estimates

No changes in burden estimates based on May 2015 consultations.

Appendix G

Arsenic Rule Spreadsheets

Exhibit 1a - Arsenic Rule PWS Burden and Cost Summary

Requirement	Avg. Annual Respondents	Avg. Annual Responses	Annual Burden	Annual Burden (Labor) Cost	Annual O&M Cost	Annual Capital Cost
Waivers	6,849	6,849	109,580	$3,790,600	N/A	N/A
Sampling	19,420	25,914	90,700	$3,137,496	$1,721,210	N/A
Total	**19,420**	**32,763**	**200,280**	**$6,928,096**	**$1,721,210**	**N/A**

Exhibit 1b - Arsenic Rule Primacy Agency Burden and Cost Summary

Requirement	Avg. Annual Respondents	Avg. Annual Responses	Annual Burden	Annual Burden (Labor) Cost	Annual O&M Cost	Annual Capital Cost
Waiver Review	57	6,849	54,790	$2,498,430	N/A	N/A
Sampling Recordkeeping	57	25,914	25,914	$1,181,692	N/A	N/A
Total	**57**	**32,763**	**80,704**	**3,680,122**	**N/A**	**N/A**

Exhibit 2 - System Inventory and Average Number of Entry Points

	Number of Non-Purchased Systems						Number of Entry Points per System			Composited Entry Points per System		
	CWSs		NTNCWSs		CWSs + NTNCWSs		CWSs		NTNCWSs	CWSs		NTNCWSs
	A	B	C	D	E=A+C	F=B+D	G	H	I	J=(G*0.5)+(1*0.5)	K=(H*0.5)+(1*0.5)	L=I
Size Category	GW	SW	GW	SW	GW	SW	GW	SW	GW & SW	GW	SW	GW & SW
0-100	10,874	436	8,218	122	19,092	558	1.1	1.1	1.0	1.0	1.0	1.0
101-500	12,414	620	6,188	145	18,602	765	1.2	1.1	1.0	1.1	1.1	1.0
501-1,000	3,886	323	1,519	51	5,405	374	1.6	1.3	1.0	1.3	1.2	1.0
1,001-3,300	5,109	927	770	32	5,879	959	1.9	1.3	1.0	1.4	1.1	1.0
3,301-10,000	2,547	979	90	15	2,637	994	2.2	1.3	1.0	1.6	1.1	1.0
10,001-50,000	1,305	987	7	-	1,312	987	3.5	1.6	1.0	3.5	1.6	1.0
50,001-100,000	146	221	-	-	146	221	9.4	2.0	1.0	9.4	2.0	1.0
100,001-1,000,000	63	245	-	-	63	245	12.6	3.3	1.0	12.6	3.3	1.0
>1,000,000	2	18	-	-	2	18	12.6	3.3	1.0	12.6	3.3	1.0
Total	36,346	4,756	16,792	365	53,138	5,121						

Sources:

[A]-[D] SDWIS/FED data from October 2014. Source was not specified for some systems. These PWSs were assigned to SW or GW categories based on the ratio of SW to GW systems within a given size category.

[G]-[H] From analysis of data from the 2006 Community Water System Survey. Includes both treated and untreated entry points.

[I] EPA Best Professional Judgement.

[J]-[K] Assumed that 50% of systems serving <10,000 people will composite all of their samples. EPA experience regarding large systems (serving >10,000 people) is that they generally do not composite samples.

Exhibit 3 - Arsenic Monitoring Burden and Costs - CWSs

Ground Water CWSs

											Waiver Application						Sampling					
Population Category	Hourly Labor Rate	Number of Systems	% Exceeding MCL	% Exceeding 50% of MCL	% Receiving Waiver	Number of Systems Receiving Waiver	Total Samples by Year			Average Annual Samples (2016-2018)	Application Burden per Waiver (hrs)	Average Annual Waiver Burden (hrs)	Average Annual Waiver Labor Cost	Collection Burden per Sample (hrs)	Reporting Burden per Sample (hrs)	Average Annual Sampling Burden (hrs)	Average Annual Sampling Labor Cost	O&M Cost per Sample	Average Annual O&M Cost	Average Annual Respondents	Average Annual Responses
							2016	2017	2018												
	A	B	C	D	E=(1-D)*0.4	F=B*E	G	H	I	J=(G+H+I)/3	K	L=(F*K)/3	M=L*A	N	O	P=(N+O)*J	Q=A*P	R	S=J*R	T	U=J
0-100	$34.59	10,874	5.33%	11.99%	35.20%	3,828	11,369	-	-	3,790	16.0	20,416.4	$ 706,246	2.5	1.0	13,264	$ 458,813	$ 66.42	$ 251,702	3,625	3,790
101-500	$34.59	12,414	5.33%	11.99%	35.20%	4,370	13,781	-	-	4,594	16.0	23,307.9	$ 806,266	2.5	1.0	16,078	$ 556,159	$ 66.42	$ 305,105	4,138	4,594
501-1,000	$34.59	3,886	5.33%	11.99%	35.20%	1,368	5,017	-	-	1,672	16.0	7,296.1	$ 252,388	2.5	1.0	5,853	$ 202,469	$ 66.42	$ 111,073	1,295	1,672
1,001-3,300	$34.59	5,109	5.33%	11.99%	35.20%	1,799	7,294	-	-	2,431	16.0	9,592.4	$ 331,820	2.5	1.0	8,510	$ 294,383	$ 66.42	$ 161,497	1,703	2,431
3,301-10,000	$34.59	2,547	5.33%	11.99%	35.20%	897	4,067	-	-	1,356	16.0	4,782.1	$ 165,423	2.5	1.0	4,744	$ 164,117	$ 66.42	$ 90,033	849	1,356
10,001-50,000	$34.59	1,305	5.33%	11.99%	35.20%	459	4,612	-	-	1,537	16.0	2,450.2	$ 84,757	2.5	1.0	5,381	$ 186,144	$ 66.42	$ 102,117	435	1,537
50,001-100,000	$34.59	146	5.33%	11.99%	35.20%	51	1,375	-	-	458	16.0	274.1	$ 9,482	2.5	1.0	1,604	$ 55,482	$ 66.42	$ 30,437	49	458
100,001-1,000,000	$34.59	63	5.33%	11.99%	35.20%	22	791	-	-	264	16.0	118.3	$ 4,092	2.5	1.0	923	$ 31,931	$ 66.42	$ 17,517	21	264
>1,000,000	$34.59	2	5.33%	11.99%	35.20%	1	25	-	-	8	16.0	3.8	$ 130	2.5	1.0	29	$ 1,014	$ 66.42	$ 556	1	8
Total		**36,346**				**12,795**	**48,331**	**-**	**-**	**16,110**		**68,241**	**$ 2,360,603**			**56,386**	**$ 1,950,511**		**$ 1,070,038**	**12,115**	**16,110**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

[C], [D] Percentage of systems exceeding the MCL is from model results in the 2000 Arsenic Rule ICR

[E] Percentage of systems receiving a waiver is based on occurrence estimates in *Arsenic Occurrence in Public Water Supplies* and is carried over from 2000 Arsenic Rule ICR. Twenty states (40 percent) are known to have adequate historical data to grant waivers. Therefore, EPA assumes that 40 percent of systems with levels below 50 percent of the MCL will qualify for a waiver.

[G], [H], [I] Assumes that those ground water systems that do not receive waivers will monitor every 3 years.

[J] The ICR period covers January 2016 - December 2018.

[R] Sampling cost (including shipping) based on 2000 Arsenic Rule ICR, updated to 2013$.

[T] = [J] divided by composited number of entry points per system

Surface Water CWSs

											Waiver Application						Sampling					
Population Category	Hourly Labor Rate	Number of Systems	% Exceeding MCL	% Exceeding 50% of MCL	% Receiving Waiver	Number of Systems Receiving Waiver	Total Samples by Year			Average Annual Samples (2016-2018)	Application Burden per Waiver (hrs)	Average Annual Waiver Burden (hrs)	Average Annual Waiver Labor Cost	Collection Burden per Sample (hrs)	Reporting Burden per Sample (hrs)	Average Annual Sampling Burden (hrs)	Average Annual Sampling Labor Cost	O&M Cost per Sample	Average Annual O&M Cost	Average Annual Respondents	Average Annual Responses
							2016	2017	2018												
	A	B	C	D	E=(1-D)*0.4	F=B*E	G	H	I	J=(G+H+I)/3	K	L=(F*K)/3	M=L*A	N	O	P=(N+O)*J	Q=A*P	R	S=J*R	T	U=J
0-100	$34.59	436	1.12%	2.96%	38.82%	169	277	277	277	277	16.0	902.6	$ 31,223	2.5	1.0	969	$ 33,505	$ 66.42	$ 18,381	267	277
101-500	$34.59	620	1.12%	2.96%	38.82%	241	402	402	402	402	16.0	1,283.5	$ 44,399	2.5	1.0	1,409	$ 48,727	$ 66.42	$ 26,731	379	402
501-1,000	$34.59	323	1.12%	2.96%	38.82%	125	229	229	229	229	16.0	668.7	$ 23,131	2.5	1.0	803	$ 27,761	$ 66.42	$ 15,230	198	229
1,001-3,300	$34.59	927	1.12%	2.96%	38.82%	360	647	647	647	647	16.0	1,919.1	$ 66,384	2.5	1.0	2,264	$ 78,310	$ 66.42	$ 42,960	567	647
3,301-10,000	$34.59	979	1.12%	2.96%	38.82%	380	677	677	677	677	16.0	2,026.7	$ 70,108	2.5	1.0	2,370	$ 81,974	$ 66.42	$ 44,970	599	677
10,001-50,000	$34.59	987	1.12%	2.96%	38.82%	383	952	952	952	952	16.0	2,043.3	$ 70,681	2.5	1.0	3,332	$ 115,278	$ 66.42	$ 63,241	604	952
50,001-100,000	$34.59	221	1.12%	2.96%	38.82%	86	268	268	268	268	16.0	457.5	$ 15,826	2.5	1.0	938	$ 32,444	$ 66.42	$ 17,798	135	268
100,001-1,000,000	$34.59	245	1.12%	2.96%	38.82%	95	495	495	495	495	16.0	507.2	$ 17,545	2.5	1.0	1,731	$ 59,870	$ 66.42	$ 32,844	150	495
>1,000,000	$34.59	18	1.12%	2.96%	38.82%	7	36	36	36	36	16.0	37.3	$ 1,289	2.5	1.0	127	$ 4,399	$ 66.42	$ 2,413	11	36
Total		**4,756**				**1,846**	**3,983**	**3,983**	**3,983**	**3,983**		**9,846**	**$ 340,586**			**13,942**	**$ 482,267**		**$ 264,568**	**2,910**	**3,983**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

[C], [D] Percent of systems exceeding the MCL is from model results in the 2000 Arsenic Rule ICR

[E] Percentage of systems receiving a waiver is based on occurrence estimates in *Arsenic Occurrence in Public Water Supplies* and is carried over from 2000 Arsenic Rule ICR. Twenty states (40 percent) are known to have adequate historical data to grant waivers. Therefore, EPA assumes that 40 percent of systems with levels below 50 percent of the MCL will qualify for a waiver.

[G], [H], [I] Assumes that those surface water systems that do not receive waivers will monitor annually.

[J] The ICR period covers January 2016 - December 2018.

[R] Sampling cost (including shipping) based on 2000 Arsenic Rule ICR, updated to 2013$.

[T] = [J] divided by composited number of entry points per system

Exhibit 4 - Arsenic Monitoring Burden and Costs - NTNCWSs

Ground Water NTNCWSs

Population Category	Hourly Labor Rate	Number of Systems	% Exceeding MCL	% Exceeding 50% of MCL	% Receiving Waiver	Number of Systems Receiving Waiver	Total Samples by Year			Average Annual Samples (2016-2018)	Application Burden per Waiver (hrs)	Average Annual Waiver Burden (hrs)	Average Annual Waiver Labor Cost	Collection Burden per Sample (hrs)	Reporting Burden per Sample (hrs)	Average Annual Sampling Burden (hrs)	Average Annual Sampling Labor Cost	O&M Cost per Sample	Average Annual O&M Cost	Average Annual Respondents	Average Annual Responses
							2016	2017	2018												
	A	B	C	D	E=(1-D)*0.4	F=B*E	G	H	I	J=(G+H+I)/3	K	L=(F*K)/3	M=L*A	N	O	P=(N+O)*J	Q=A*P	R	S=J*R	T	U=J
0-100	$34.59	8,218	6.14%	14.20%	34.32%	2,821	8,218	-	-	2,739	16.0	15,042.9	$ 520,365	2.5	1.0	9,588	$ 331,657	$ 66.42	$ 181,945	2,739	2,739
101-500	$34.59	6,188	6.14%	14.20%	34.32%	2,124	6,188	-	-	2,063	16.0	11,327.0	$ 391,825	2.5	1.0	7,219	$ 249,731	$ 66.42	$ 137,001	2,063	2,063
501-1,000	$34.59	1,519	6.14%	14.20%	34.32%	521	1,519	-	-	506	16.0	2,780.5	$ 96,183	2.5	1.0	1,772	$ 61,303	$ 66.42	$ 33,630	506	506
1,001-3,300	$34.59	770	6.14%	14.20%	34.32%	264	770	-	-	257	16.0	1,409.5	$ 48,757	2.5	1.0	898	$ 31,075	$ 66.42	$ 17,048	257	257
3,301-10,000	$34.59	90	6.14%	14.20%	34.32%	31	90	-	-	30	16.0	164.7	$ 5,699	2.5	1.0	105	$ 3,632	$ 66.42	$ 1,993	30	30
10,001-50,000	$34.59	7	6.14%	14.20%	34.32%	2	7	-	-	2	16.0	12.8	$ 443	2.5	1.0	8	$ 283	$ 66.42	$ 155	2	2
50,001-100,000	$34.59	0	6.14%	14.20%	34.32%	-	-	-	-	-	16.0	-	$ -	2.5	1.0	0	$ -	$ 66.42	$ -	0	0
100,001-1,000,000	$34.59	0	6.14%	14.20%	34.32%	-	-	-	-	-	16.0	-	$ -	2.5	1.0	0	$ -	$ 66.42	$ -	0	0
>1,000,000	$34.59	0	6.14%	14.20%	34.32%	-	-	-	-	-	16.0	-	$ -	2.5	1.0	0	$ -	$ 66.42	$ -	0	0
Total		**16,792**				**5,763**	**16,792**	**-**	**-**	**5,597**		**30,738**	**$ 1,063,272**			**19,591**	**$ 677,680**		**$ 371,771**	**5,597**	**5,597**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

[C], [D] Percentage of systems exceeding the MCL is from model results in the 2000 Arsenic Rule ICR

[E] Percentage of systems receiving a waiver is based on occurrence estimates in *Arsenic Occurrence in Public Water Supplies* and is carried over from 2000 Arsenic Rule ICR. Twenty states (40 percent) are known to have adequate historical data to grant waivers. Therefore, EPA assumes that 40 percent of systems with levels below 50 percent of the MCL will qualify for a waiver.

[G], [H], [I] Assumes that those ground water systems that do not receive waivers will monitor every 3 years.

[J] The ICR period covers January 2016 - December 2018.

[R] Sampling cost (including shipping) based on 2000 Arsenic Rule ICR, updated to 2013$.

[T] = [J] divided by number of entry points per system

Surface Water NTNCWSs

Population Category	Hourly Labor Rate	Number of Systems	% Exceeding MCL	% Exceeding 50% of MCL	% Receiving Waiver	Number of Systems Receiving Waiver	Total Samples by Year			Average Annual Samples (2012-2014)	Application Burden per Waiver (hrs)	Average Annual Waiver Burden (hrs)	Average Annual Waiver Labor Cost	Collection Burden per Sample (hrs)	Reporting Burden per Sample (hrs)	Average Annual Sampling Burden (hrs)	Average Annual Sampling Labor Cost	O&M Cost per Sample	Average Annual O&M Cost	Average Annual Respondents	Average Annual Responses
							2016	2017	2018												
	A	B	C	D	E=(1-D)*0.4	F=B*E	G	H	I	J=(G+H+I)/3	K	L=(F*K)/3	M=L*A	N	O	P=(N+O)*J	Q=A*P	R	S=J*R	T	U=J
0-100	$34.59	122	1.12%	2.96%	38.82%	47	75	75	75	75	16.0	252.6	$ 8,737	2.5	1.0	261	$ 9,037	$ 66.42	$ 4,958	75	75
101-500	$34.59	145	1.12%	2.96%	38.82%	56	89	89	89	89	16.0	300.2	$ 10,384	2.5	1.0	311	$ 10,741	$ 66.42	$ 5,893	89	89
501-1,000	$34.59	51	1.12%	2.96%	38.82%	20	31	31	31	31	16.0	105.6	$ 3,652	2.5	1.0	109	$ 3,778	$ 66.42	$ 2,073	31	31
1,001-3,300	$34.59	32	1.12%	2.96%	38.82%	12	20	20	20	20	16.0	66.2	$ 2,292	2.5	1.0	69	$ 2,370	$ 66.42	$ 1,300	20	20
3,301-10,000	$34.59	15	1.12%	2.96%	38.82%	6	9	9	9	9	16.0	31.1	$ 1,074	2.5	1.0	32	$ 1,111	$ 66.42	$ 610	9	9
10,001-50,000	$34.59	0	1.12%	2.96%	38.82%	-	-	-	-	-	16.0	-	$ -	2.5	1.0	0	$ -	$ 66.42	$ -	0	0
50,001-100,000	$34.59	0	1.12%	2.96%	38.82%	-	-	-	-	-	16.0	-	$ -	2.5	1.0	0	$ -	$ 66.42	$ -	0	0
100,001-1,000,000	$34.59	0	1.12%	2.96%	38.82%	-	-	-	-	-	16.0	-	$ -	2.5	1.0	0	$ -	$ 66.42	$ -	0	0
>1,000,000	$34.59	0	1.12%	2.96%	38.82%	-	-	-	-	-	16.0	-	$ -	2.5	1.0	0	$ -	$ 66.42	$ -	0	0
Total		**365**				**142**	**223**	**223**	**223**	**223**		**756**	**$ 26,138**			**782**	**$ 27,038**		**$ 14,833**	**223**	**223**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

[C], [D] Percent of systems exceeding the MCL is from model results in the 2000 Arsenic Rule ICR.

[E] Percentage of systems receiving a waiver is based on occurrence estimates in *Arsenic Occurrence in Public Water Supplies* and is carried over from 2000 Arsenic Rule ICR. Twenty states (40 percent) are known to have adequate historical data to grant waivers. Therefore, EPA assumes that 40 percent of systems with levels below 50 percent of the MCL will qualify for a waiver.

[G]-[I] Assumes that those surface water systems that do not receive waivers will monitor annually.

[J] The ICR period covers January 2016 - December 2018.

[R] Sampling cost (including shipping) based on 2000 Arsenic Rule ICR, updated to 2013$.

[T] = [J] divided by number of entry points per system

Exhibit 5 - Primacy Agency Burden and Costs

Waiver Review

Population Category	Hourly Labor Rate	Number of Systems Receiving Waiver	Waiver Reviews by Year			Review Burden per Waiver (hrs)	Average Annual Waiver Burden (hrs)	Average Annual Waiver Labor Cost	O&M Cost per Review	Average Annual O&M Cost	Average Annual Respondents	Average Annual Responses
			2016	2017	2018							
	A	B	C	D	E	F	G=(B*F)/3	H=G*A	I	J	K	L=B/3
0-100	$45.60	6,865	6,649	-	-	8.0	18,307.3	$ 834,811	$ -	$ -	57	2,288
101-500	$45.60	6,791	6,494	-	-	8.0	18,109.3	$ 825,784	$ -	$ -	57	2,264
501-1,000	$45.60	2,035	1,889	-	-	8.0	5,425.5	$ 247,401	$ -	$ -	57	678
1,001-3,300	$45.60	2,435	2,063	-	-	8.0	6,493.6	$ 296,107	$ -	$ -	57	812
3,301-10,000	$45.60	1,313	928	-	-	8.0	3,502.3	$ 159,705	$ -	$ -	57	438
10,001-50,000	$45.60	845	462	-	-	8.0	2,253.1	$ 102,743	$ -	$ -	57	282
50,001-100,000	$45.60	137	51	-	-	8.0	365.8	$ 16,681	$ -	$ -	57	46
100,001-1,000,000	$45.60	117	22	-	-	8.0	312.7	$ 14,261	$ -	$ -	57	39
>1,000,000	$45.60	8	1	-	-	8.0	20.5	$ 935	$ -	$ -	57	3
Total		**20,546**	**18,559**	**-**	**-**		**54,790**	**$ 2,498,430**		**$ -**	**57**	**6,849**

Notes:

[B] Number of systems receiving a waiver is based on occurrence estimates in *Arsenic Occurrence in Public Water Supplies* . EPA assumes that 40 percent of systems with levels below 50 percent of the MCL will qualify for a waiver. Also note that NTNCWSs applied for waivers in 2015 (before this 3-year ICR period), which results in the number of systems receiving waivers to exceed the number of waivers reviewed by states in this 3-year ICR period.

40 CFR 141.23(c)(3) states that the term of a waiver may not exceed 9 years.

Sampling Recordkeeping

Population Category	Hourly Labor Rate	Average Annual Number of Submitted Sampling Results (2016-2018)	Total Samples by Year			Record-keeping Burden per Sample (hrs)	Average Annual Record-keeping Burden (hrs) (2016-2018)	Average Annual Record-Keeping Labor Cost	O&M Cost per Record	Average Annual O&M Cost	Average Annual Respondents	Average Annual Responses
			2016	2017	2018							
	A	B=(C+D+E)/3	C	D	E	F	G=B*F	H=G*A	I	J	K	L=B
0-100	$45.60	6,880	19,938	351	351	1.0	6,880	$ 313,742	$ -	$ -	57	6,880
101-500	$45.60	7,147	20,460	491	491	1.0	7,147	$ 325,924	$ -	$ -	57	7,147
501-1,000	$45.60	2,439	6,796	260	260	1.0	2,439	$ 111,224	$ -	$ -	57	2,439
1,001-3,300	$45.60	3,355	8,731	666	666	1.0	3,355	$ 152,966	$ -	$ -	57	3,355
3,301-10,000	$45.60	2,072	4,843	686	686	1.0	2,072	$ 94,473	$ -	$ -	57	2,072
10,001-50,000	$45.60	2,492	5,572	952	952	1.0	2,492	$ 113,632	$ -	$ -	57	2,492
50,001-100,000	$45.60	726	1,643	268	268	1.0	726	$ 33,116	$ -	$ -	57	726
100,001-1,000,000	$45.60	758	1,286	495	495	1.0	758	$ 34,576	$ -	$ -	57	758
>1,000,000	$45.60	45	61	36	36	1.0	45	$ 2,038	$ -	$ -	57	45
Total		**25,914**	**69,330**	**4,207**	**4,207**		**25,914**	**$ 1,181,692**		**$ -**	**57**	**25,914**

Notes:

The ICR covers the period January 2016 - December 2018.

Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

[C]-[E] Number of samples equals total number of samples taken by CWSs and NTNCWSs each year.

Exhibit 6
Arsenic Rule - Summary of Original and Revised Burden Estimates

No changes in burden estimates based on May 2015 consultations.

Appendix H

Lead and Copper Rule Spreadsheets

Exhibit 1 - TAP MONITORING FOR LEAD & COPPER - SYSTEM INVENTORY

GROUND WATER: CWSs

Size Category	Total Systems
≤100	11,212
101-500	13,403
501-1,000	4,320
1,001-3,300	5,566
3,301-10,000	2,724
10,001-25,000	989
25,001-50,000	355
50,001-75,000	106
75,001-100,000	44
100,001-500,000	58
500,001-1 Million	5
> 1 Million	2
TOTAL:	38,784

SURFACE WATER: CWSs

Size Category	Total Systems
≤100	970
101-500	2,092
501-1,000	1,131
1,001-3,300	2,497
3,301-10,000	2,219
10,001-25,000	1,300
25,001-50,000	686
50,001-75,000	256
75,001-100,000	133
100,001-500,000	308
500,001-1 Million	35
> 1 Million	20
TOTAL:	11,647

GROUND WATER: NTNCWSs

Size Category	Total Systems
≤100	8,279
101-500	6,254
501-1,000	1,539
1,001-3,300	786
3,301-10,000	92
10,001-25,000	4
25,001-50,000	5
50,001-75,000	0
75,001-100,000	0
100,001-500,000	0
500,001-1,000,000	0
> 1,000,000	0
TOTAL:	16,958

SURFACE WATER: NTNCWSs

Size Category	Total Systems
≤100	314
101-500	283
501-1,000	92
1,001-3,300	88
3,301-10,000	53
10,001-25,000	3
25,001-50,000	3
50,001-75,000	1
75,001-100,000	0
100,001-500,000	1
500,001-1,000,000	0
> 1,000,000	0
TOTAL:	839

GROUND WATER: ALL SYSTEMS

Size Category	Total Systems
≤100	19,491
101-500	19,657
501-1,000	5,859
1,001-3,300	6,352
3,301-10,000	2,816
10,001-25,000	993
25,001-50,000	360
50,001-75,000	106
75,001-100,000	44
100,001-500,000	58
500,001-1,000,000	5
> 1,000,000	2
TOTAL:	55,743

SURFACE WATER: ALL SYSTEMS

Size Category	Total Systems
≤100	1,284
101-500	2,375
501-1,000	1,223
1,001-3,300	2,585
3,301-10,000	2,272
10,001-25,000	1,303
25,001-50,000	689
50,001-75,000	257
75,001-100,000	133
100,001-500,000	309
500,001-1,000,000	35
> 1,000,000	20
TOTAL:	12,485

Source: SDWIS/FED Data from October 2014

Exhibit 2 - TAP MONITORING FOR LEAD & COPPER - LABOR RATES

State Labor Rate	$45.60

System Labor Rates	
≤100	$34.59
101-500	$34.59
501-1,000	$34.59
1,001-3,300	$34.59
3,301-10,000	$34.59
10,001-25,000	$34.59
25,001-50,000	$34.59
50,001-75,000	$34.59
75,001-100,000	$34.59
100,001-500,000	$34.59
500,001-1,000,000	$34.59
> 1,000,000	$34.59

PWS Labor Rate			
Base (Hourly)	$21.62	2013$	National Occupational Employment and Wage Estimates, United States, BLS SOC Code 51-8031, "Local Government - Water and Liquid Waste Treatment Plant and System Operators". May 2013 data (published in April 2014).
Load Factor	1.6		
Inflation Factor	1.0	1	ECI New
Total	$34.59	1	ECI Base

State Labor Rate			
Base (Hourly)	$28.50	2013$	National Occupational Employment and Wage Estimates, United States, BLS SOC Code 19-2041, "State Government - Environmental Scientists and Specialists, Including Health". May 2013 data (published in April 2014). http://www.bls.gov/oes/2013/may/oes192041.htm
Load Factor	1.6		
Inflation Factor	1.0	1	ECI New
Total	$45.60	1	ECI Base

Sampling Cost Inflation Factor

Inflation Factor	1.40	233.0	CPI All Urban Consumers (CPI-U): U.S. City Average, by Expenditure Category and Commodity and Service Group. All urban consumers, All items, Not seasonally adjusted. 2013 Annual Average.
		166.6	CPI-U Base Year

Exhibit 3 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST ASSUMPTIONS

GROUND WATER: CWSs

Size Category	Total Systems	Avg. # of Samples per Mon. Event (Regular Schedule)	Avg. # of Samples per Mon. Event (Reduced Schedule)	Average Labor Hrs. For Collection and Analysis (Per Sample)	Labor Rate For Collection	Average O&M Cost Per Sample	Total Average Labor Cost Per Mon. Event (Regular Sched.)	Total Average Labor Cost Per Mon. Event (Reduced Sched.)	Total Average O&M Cost Per Mon. Event (Regular Sched.)	Total Average O&M Cost Per Mon. Event (Reduced Sched.)
≤100	11,212	5	5	4.0	$ 34.59	$ 7.36	$ 691.84	$ 691.84	$ 36.79	$ 36.79
101-500	13,403	10	5	4.0	$ 34.59	$ 7.36	$ 1,383.68	$ 691.84	$ 73.57	$ 36.79
501-1,000	4,320	20	10	4.0	$ 34.59	$ 7.36	$ 2,767.36	$ 1,383.68	$ 147.14	$ 73.57
1,001-3,300	5,566	20	10	4.0	$ 34.59	$ 7.36	$ 2,767.36	$ 1,383.68	$ 147.14	$ 73.57
3,301-10,000	2,724	40	20	4.0	$ 34.59	$ 7.36	$ 5,534.72	$ 2,767.36	$ 294.28	$ 147.14
10,001-25,000	989	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
25,001-50,000	355	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
50,001-75,000	106	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
75,001-100,000	44	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
100,001-500,000	58	100	50	4.0	$ 34.59	$ 7.36	$ 13,836.80	$ 6,918.40	$ 735.70	$ 367.85
500,001-1,000,000	5	100	50	4.0	$ 34.59	$ 7.36	$ 13,836.80	$ 6,918.40	$ 735.70	$ 367.85
> 1,000,000	2	100	50	4.0	$ 34.59	$ 7.36	$ 13,836.80	$ 6,918.40	$ 735.70	$ 367.85
TOTAL:	38,784									

GROUND WATER: NTNCWSs

Size Category	Total Systems	Avg. # of Samples per Mon. Event (Regular Schedule)	Avg. # of Samples per Mon. Event (Reduced Schedule)	Average Labor Hrs. For Collection and Analysis (Per Sample)	Labor Rate For Collection	Average O&M Cost Per Sample	Total Average Labor Cost Per Mon. Event (Regular Sched.)	Total Average Labor Cost Per Mon. Event (Reduced Sched.)	Total Average O&M Cost Per Mon. Event (Regular Sched.)	Total Average O&M Cost Per Mon. Event (Reduced Sched.)
≤100	8,279	5	5	4.0	$ 34.59	$ 7.36	$ 691.84	$ 691.84	$ 36.79	$ 36.79
101-500	6,254	10	5	4.0	$ 34.59	$ 7.36	$ 1,383.68	$ 691.84	$ 73.57	$ 36.79
501-1,000	1,539	20	10	4.0	$ 34.59	$ 7.36	$ 2,767.36	$ 1,383.68	$ 147.14	$ 73.57
1,001-3,300	786	20	10	4.0	$ 34.59	$ 7.36	$ 2,767.36	$ 1,383.68	$ 147.14	$ 73.57
3,301-10,000	92	40	20	4.0	$ 34.59	$ 7.36	$ 5,534.72	$ 2,767.36	$ 294.28	$ 147.14
10,001-25,000	4	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
25,001-50,000	5	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
50,001-75,000	-	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
75,001-100,000	-	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
100,001-500,000	-	100	50	4.0	$ 34.59	$ 7.36	$ 13,836.80	$ 6,918.40	$ 735.70	$ 367.85
500,001-1,000,000	-	100	50	4.0	$ 34.59	$ 7.36	$ 13,836.80	$ 6,918.40	$ 735.70	$ 367.85
> 1,000,000	-	100	50	4.0	$ 34.59	$ 7.36	$ 13,836.80	$ 6,918.40	$ 735.70	$ 367.85
TOTAL:	16,958									

GROUND WATER: ALL SYSTEMS

Size Category	Total Systems	Avg. # of Samples per Mon. Event (Regular Schedule)	Avg. # of Samples per Mon. Event (Reduced Schedule)	Average Labor Hrs. For Collection and Analysis (Per Sample)	Labor Rate For Collection	Average O&M Cost Per Sample	Total Average Labor Cost Per Mon. Event (Regular Sched.)	Total Average Labor Cost Per Mon. Event (Reduced Sched.)	Total Average O&M Cost Per Mon. Event (Regular Sched.)	Total Average O&M Cost Per Mon. Event (Reduced Sched.)
≤100	19,491	5	5	4.0	$ 34.59	$ 7.36	$ 691.84	$ 691.84	$ 36.79	$ 36.79
101-500	19,657	10	5	4.0	$ 34.59	$ 7.36	$ 1,383.68	$ 691.84	$ 73.57	$ 36.79
501-1,000	5,859	20	10	4.0	$ 34.59	$ 7.36	$ 2,767.36	$ 1,383.68	$ 147.14	$ 73.57
1,001-3,300	6,352	20	10	4.0	$ 34.59	$ 7.36	$ 2,767.36	$ 1,383.68	$ 147.14	$ 73.57
3,301-10,000	2,816	40	20	4.0	$ 34.59	$ 7.36	$ 5,534.72	$ 2,767.36	$ 294.28	$ 147.14
10,001-25,000	993	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
25,001-50,000	360	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
50,001-75,000	106	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
75,001-100,000	44	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
100,001-500,000	58	100	50	4.0	$ 34.59	$ 7.36	$ 13,836.80	$ 6,918.40	$ 735.70	$ 367.85
500,001-1,000,000	5	100	50	4.0	$ 34.59	$ 7.36	$ 13,836.80	$ 6,918.40	$ 735.70	$ 367.85
> 1,000,000	2	100	50	4.0	$ 34.59	$ 7.36	$ 13,836.80	$ 6,918.40	$ 735.70	$ 367.85
TOTAL:	55,743									

Exhibit 3 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST ASSUMPTIONS (cont.)

SURFACE WATER: CWSs

Size Category	Total Systems	Avg. # of Samples per Mon. Event (Regular Schedule)	Avg. # of Samples per Mon. Event (Reduced Schedule)	Average Labor Hrs. For Collection and Analysis (Per Sample)	Labor Rate For Collection	Average O&M Cost Per Sample	Total Average Labor Cost Per Mon. Event (Regular Sched.)	Total Average Labor Cost Per Mon. Event (Reduced Sched.)	Total Average O&M Cost Per Mon. Event (Regular Sched.)	Total Average O&M Cost Per Mon. Event (Reduced Sched.)
≤100	970	5	5	4.0	$ 34.59	$ 7.36	$ 691.84	$ 691.84	$ 36.79	$ 36.79
101-500	2,092	10	5	4.0	$ 34.59	$ 7.36	$ 1,383.68	$ 691.84	$ 73.57	$ 36.79
501-1,000	1,131	20	10	4.0	$ 34.59	$ 7.36	$ 2,767.36	$ 1,383.68	$ 147.14	$ 73.57
1,001-3,300	2,497	20	10	4.0	$ 34.59	$ 7.36	$ 2,767.36	$ 1,383.68	$ 147.14	$ 73.57
3,301-10,000	2,219	40	20	4.0	$ 34.59	$ 7.36	$ 5,534.72	$ 2,767.36	$ 294.28	$ 147.14
10,001-25,000	1,300	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
25,001-50,000	686	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
50,001-75,000	256	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
75,001-100,000	133	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
100,001-500,000	308	100	50	4.0	$ 34.59	$ 7.36	$ 13,836.80	$ 6,918.40	$ 735.70	$ 367.85
500,001-1,000,000	35	100	50	4.0	$ 34.59	$ 7.36	$ 13,836.80	$ 6,918.40	$ 735.70	$ 367.85
> 1,000,000	20	100	50	4.0	$ 34.59	$ 7.36	$ 13,836.80	$ 6,918.40	$ 735.70	$ 367.85
TOTAL:	11,647									

SURFACE WATER: NTNCWSs

Size Category	Total Systems	Avg. # of Samples per Mon. Event (Regular Schedule)	Avg. # of Samples per Mon. Event (Reduced Schedule)	Average Labor Hrs. For Collection and Analysis (Per Sample)	Labor Rate For Collection	Average O&M Cost Per Sample	Total Average Labor Cost Per Mon. Event (Regular Sched.)	Total Average Labor Cost Per Mon. Event (Reduced Sched.)	Total Average O&M Cost Per Mon. Event (Regular Sched.)	Total Average O&M Cost Per Mon. Event (Reduced Sched.)
≤100	314	5	5	4.0	$ 34.59	$ 7.36	$ 691.84	$ 691.84	$ 36.79	$ 36.79
101-500	283	10	5	4.0	$ 34.59	$ 7.36	$ 1,383.68	$ 691.84	$ 73.57	$ 36.79
501-1,000	92	20	10	4.0	$ 34.59	$ 7.36	$ 2,767.36	$ 1,383.68	$ 147.14	$ 73.57
1,001-3,300	88	20	10	4.0	$ 34.59	$ 7.36	$ 2,767.36	$ 1,383.68	$ 147.14	$ 73.57
3,301-10,000	53	40	20	4.0	$ 34.59	$ 7.36	$ 5,534.72	$ 2,767.36	$ 294.28	$ 147.14
10,001-25,000	3	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
25,001-50,000	3	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
50,001-75,000	1	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
75,001-100,000	-	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
100,001-500,000	1	100	50	4.0	$ 34.59	$ 7.36	$ 13,836.80	$ 6,918.40	$ 735.70	$ 367.85
500,001-1,000,000	-	100	50	4.0	$ 34.59	$ 7.36	$ 13,836.80	$ 6,918.40	$ 735.70	$ 367.85
> 1,000,000	-	100	50	4.0	$ 34.59	$ 7.36	$ 13,836.80	$ 6,918.40	$ 735.70	$ 367.85
TOTAL:	839									

SURFACE WATER: ALL SYSTEMS

Size Category	Total Systems	Avg. # of Samples per Mon. Event (Regular Schedule)	Avg. # of Samples per Mon. Event (Reduced Schedule)	Average Labor Hrs. For Collection and Analysis (Per Sample)	Labor Rate For Collection	Average O&M Cost Per Sample	Total Average Labor Cost Per Mon. Event (Regular Sched.)	Total Average Labor Cost Per Mon. Event (Reduced Sched.)	Total Average O&M Cost Per Mon. Event (Regular Sched.)	Total Average O&M Cost Per Mon. Event (Reduced Sched.)
≤100	1,284	5	5	4.0	$ 34.59	$ 7.36	$ 691.84	$ 691.84	$ 36.79	$ 36.79
101-500	2,375	10	5	4.0	$ 34.59	$ 7.36	$ 1,383.68	$ 691.84	$ 73.57	$ 36.79
501-1,000	1,223	20	10	4.0	$ 34.59	$ 7.36	$ 2,767.36	$ 1,383.68	$ 147.14	$ 73.57
1,001-3,300	2,585	20	10	4.0	$ 34.59	$ 7.36	$ 2,767.36	$ 1,383.68	$ 147.14	$ 73.57
3,301-10,000	2,272	40	20	4.0	$ 34.59	$ 7.36	$ 5,534.72	$ 2,767.36	$ 294.28	$ 147.14
10,001-25,000	1,303	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
25,001-50,000	689	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
50,001-75,000	257	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
75,001-100,000	133	60	30	4.0	$ 34.59	$ 7.36	$ 8,302.08	$ 4,151.04	$ 441.42	$ 220.71
100,001-500,000	309	100	50	4.0	$ 34.59	$ 7.36	$ 13,836.80	$ 6,918.40	$ 735.70	$ 367.85
500,001-1,000,000	35	100	50	4.0	$ 34.59	$ 7.36	$ 13,836.80	$ 6,918.40	$ 735.70	$ 367.85
> 1,000,000	20	100	50	4.0	$ 34.59	$ 7.36	$ 13,836.80	$ 6,918.40	$ 735.70	$ 367.85
TOTAL:	12,485									

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 4 - TAP MONITORING FOR LEAD & COPPER - MONITORING SCENARIO ALLOCATION

GROUND WATER: CWSs

Size Category	Total Systems		Percent of Systems Under Each Monitoring Scenario								
			1	2a	2b	3a	3b	1R	3aAR	2aAR	2bAR
			Monitor Only	Exceed, Then Treat Works, Study Req.	Exceed, Then Treat Works, No Study Req.	Exceed, Treat, Still Exceed Study Req.	Exceed, Treat, Then Still Exceed No Study Req.	Monitor Only Reduced Mon. All-Plastic	Exceed, Treat, Enter Accel. Reduced Sched.	Accelerated Reduced Study Req.	Accelerated Reduced No Study Req.
≤100	11,212		60.00%	5.77%	17.30%	0.29%	0.87%	10.00%	-	1.44%	4.33%
101-500	13,403		60.00%	5.77%	17.32%	0.28%	0.85%	10.00%	-	1.44%	4.33%
501-1,000	4,320		60.00%	5.83%	17.49%	0.21%	0.63%	10.00%	-	1.46%	4.37%
1,001-3,300	5,566		60.00%	5.84%	17.52%	0.20%	0.60%	10.00%	-	1.46%	4.38%
3,301-10,000	2,724		75.00%	4.85%	14.55%	0.19%	0.56%	-	-	1.21%	3.64%
10,001-25,000	989		75.00%	4.87%	14.61%	0.16%	0.49%	-	-	1.22%	3.65%
25,001-50,000	355		75.00%	4.87%	14.60%	0.17%	0.50%	-	-	1.22%	3.65%
50,001-75,000	106		99.72%	-	-	0.28%	0.83%	-	0.00%	-	-
75,001-100,000	44		99.86%	-	-	0.14%	0.42%	-	0.00%	-	-
100,001-500,000	58		99.84%	-	-	0.16%	0.48%	-	0.00%	-	-
500,001-1,000,000	5		99.58%	-	-	0.42%	1.25%	-	0.00%	-	-
> 1,000,000	2		100.00%	-	-	0.00%	0.00%	-	0.00%	-	-
TOTAL:	38,784										

GROUND WATER: NTNCWSs

Size Category	Total Systems		Percent of Systems Under Each Monitoring Scenario								
			1	2a	2b	3a	3b	1R	3aAR	2aAR	2bAR
			Monitor Only	Exceed, Then Treat Works, Study Req.	Exceed, Then Treat Works, No Study Req.	Exceed, Treat, Still Exceed Study Req.	Exceed, Treat, Then Still Exceed No Study Req.	Monitor Only Reduced Mon. All-Plastic	Exceed, Treat, Enter Accel. Reduced Sched.	Accelerated Reduced Study Req.	Accelerated Reduced No Study Req.
≤100	8,279		60.00%	5.63%	16.88%	0.47%	1.40%	10.00%	-	1.41%	4.22%
101-500	6,254		60.00%	5.63%	16.88%	0.47%	1.40%	10.00%	-	1.41%	4.22%
501-1,000	1,539		60.00%	5.69%	17.08%	0.38%	1.15%	10.00%	-	1.42%	4.27%
1,001-3,300	786		60.00%	5.57%	16.70%	0.54%	1.63%	10.00%	-	1.39%	4.17%
3,301-10,000	92		75.00%	4.72%	14.17%	0.34%	1.03%	-	-	1.18%	3.54%
10,001-25,000	4		75.00%	2.14%	6.43%	3.57%	10.71%	-	-	0.54%	1.61%
25,001-50,000	5		75.00%	5.00%	15.00%	0.00%	0.00%	-	-	1.25%	3.75%
50,001-75,000	-		100.00%	-	-	0.00%	0.00%	-	0.00%	-	-
75,001-100,000	-		100.00%	-	-	0.00%	0.00%	-	0.00%	-	-
100,001-500,000	-		100.00%	-	-	0.00%	0.00%	-	0.00%	-	-
500,001-1,000,000	-		100.00%	-	-	0.00%	0.00%	-	0.00%	-	-
> 1,000,000	-		100.00%	-	-	0.00%	0.00%	-	0.00%	-	-
TOTAL:	16,958										

Exhibit 4 - TAP MONITORING FOR LEAD & COPPER - MONITORING SCENARIO ALLOCATION (cont.)

SURFACE WATER: CWSs

Size Category	Total Systems	Actual Number of B3 Systems	Percent of Systems Under Each Monitoring Scenario								
			1	2a	2b	3a	3b	1R	3aAR	2aAR	2bAR
			Monitor Only	Exceed, Then Treat Works, Study Req.	Exceed, Then Treat Works, No Study Req.	Exceed, Treat, Still Exceed Study Req.	Exceed, Treat, Then Still Exceed No Study Req.	Monitor Only Reduced Mon. All-Plastic	Exceed, Treat, Enter Accel. Reduced Sched.	Accelerated Reduced Study Req.	Accelerated Reduced No Study Req.
≤100	970	-	60.00%	5.77%	17.30%	0.29%	0.87%	10.00%	0.00%	1.44%	4.33%
101-500	2,092	-	60.00%	5.77%	17.32%	0.28%	0.85%	10.00%	0.00%	1.44%	4.33%
501-1,000	1,131	-	60.00%	5.83%	17.49%	0.21%	0.63%	10.00%	0.00%	1.46%	4.37%
1,001-3,300	2,497	-	60.00%	5.84%	17.52%	0.20%	0.60%	10.00%	0.00%	1.46%	4.38%
3,301-10,000	2,219	-	75.00%	4.85%	14.55%	0.19%	0.56%	0.00%	0.00%	1.21%	3.64%
10,001-25,000	1,300	-	75.00%	4.87%	14.61%	0.16%	0.49%	0.00%	0.00%	1.22%	3.65%
25,001-50,000	686	-	75.00%	4.87%	14.60%	0.17%	0.50%	0.00%	0.00%	1.22%	3.65%
50,001-75,000	256	38	99.72%	0.00%	0.00%	0.28%	0.83%	0.00%	0.00%	0.00%	0.00%
75,001-100,000	133	16	99.86%	0.00%	0.00%	0.14%	0.42%	0.00%	0.00%	0.00%	0.00%
100,001-500,000	308	57	99.84%	0.00%	0.00%	0.16%	0.48%	0.00%	0.00%	0.00%	0.00%
500,001-1,000,000	35	3	99.58%	0.00%	0.00%	0.42%	1.25%	0.00%	0.00%	0.00%	0.00%
> 1,000,000	20	2	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL:	11,647										

SURFACE WATER: NTNCWSs

Size Category	Total Systems	Actual Number of B3 Systems	Percent of Systems Under Each Monitoring Scenario								
			1	2a	2b	3a	3b	1R	3aAR	2aAR	2bAR
			Monitor Only	Exceed, Then Treat Works, Study Req.	Exceed, Then Treat Works, No Study Req.	Exceed, Treat, Still Exceed Study Req.	Exceed, Treat, Then Still Exceed No Study Req.	Monitor Only Reduced Mon. All-Plastic	Exceed, Treat, Enter Accel. Reduced Sched.	Accelerated Reduced Study Req.	Accelerated Reduced No Study Req.
≤100	314	-	60.00%	5.63%	16.88%	0.47%	1.40%	10.00%	0.00%	1.41%	4.22%
101-500	283	-	60.00%	5.63%	16.88%	0.47%	1.40%	10.00%	0.00%	1.41%	4.22%
501-1,000	92	-	60.00%	5.69%	17.08%	0.38%	1.15%	10.00%	0.00%	1.42%	4.27%
1,001-3,300	88	-	60.00%	5.57%	16.70%	0.54%	1.63%	10.00%	0.00%	1.39%	4.17%
3,301-10,000	53	-	75.00%	4.72%	14.17%	0.34%	1.03%	0.00%	0.00%	1.18%	3.54%
10,001-25,000	3	-	75.00%	2.14%	6.43%	3.57%	10.71%	0.00%	0.00%	0.54%	1.61%
25,001-50,000	3	-	75.00%	5.00%	15.00%	0.00%	0.00%	0.00%	0.00%	1.25%	3.75%
50,001-75,000	1	-	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
75,001-100,000	-	-	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
100,001-500,000	1	-	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
500,001-1,000,000	-	-	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
> 1,000,000	-	-	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
TOTAL:	839										

Percentages exceeding, treating, and still exceeding based on 2004 numbers from the STR EA. 25% of small exceeding systems assumed to require study. 20% of systems that exceed but treat and comply are assumed to qualify for reduced schedule. Numbers of systems exceeding lead action level based on SDWIS 2014 data.

Exhibit 5 - Tap Monitoring for Lead & Copper: Number of Monitoring Events, per System, per Year

SCENARIO 1: Monitor Only

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	1			1			1			3
101-500	1			1			1			3
501-1,000	1			1			1			3
1,001-3,300	1			1			1			3
3,301-10,000			1			1			1	3
10,001-25,000			1			1			1	3
25,001-50,000			1			1			1	3
50,001-75,000		1			1			1		3
75,001-100,000		1			1			1		3
100,001-500,000		1			1			1		3
500,001-1,000,000		1			1			1		3
> 1,000,000		1			1			1		3

Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	1			1			1			3
101-500	1			1			1			3
501-1,000	1			1			1			3
1,001-3,300	1			1			1			3
3,301-10,000			1			1			1	3
10,001-25,000			1			1			1	3
25,001-50,000			1			1			1	3
50,001-75,000		1			1			1		3
75,001-100,000		1			1			1		3
100,001-500,000		1			1			1		3
500,001-1,000,000		1			1			1		3
> 1,000,000		1			1			1		3

Exhibit 5 (continued): SCENARIO 2a: Exceed>>Install Treatment>>No Longer Exceed (Study Required)

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100			1			1			1	**3**
101-500			1			1			1	**3**
501-1,000			1			1			1	**3**
1,001-3,300			1			1			1	**3**
3,301-10,000		1			1			1		**2**
10,001-25,000		1			1			1		**2**
25,001-50,000		1			1			1		**2**
50,001-75,000										**0**
75,001-100,000										**0**
100,001-500,000										**0**
500,001-1,000,000										**0**
> 1,000,000										**0**

Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100			1			1			1	**3**
101-500			1			1			1	**3**
501-1,000			1			1			1	**3**
1,001-3,300			1			1			1	**3**
3,301-10,000		1			1			1		**3**
10,001-25,000		1			1			1		**3**
25,001-50,000		1			1			1		**3**
50,001-75,000										**0**
75,001-100,000										**0**
100,001-500,000										**0**
500,001-1,000,000										**0**
> 1,000,000										**0**

Exhibit 5 - Tap Monitoring for Lead & Copper: Number of Monitoring Events, per System, per Year (cont.)

SCENARIO 2b: Exceed>>Install Treatment>>No Longer Exceed (No Study Required)

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100		1			1			1		3
101-500		1			1			1		3
501-1,000		1			1			1		3
1,001-3,300		1			1			1		3
3,301-10,000	1			1			1			3
10,001-25,000	1			1			1			3
25,001-50,000	1			1			1			3
50,001-75,000										0
75,001-100,000										0
100,001-500,000										0
500,001-1,000,000										0
> 1,000,000										0
Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100		1			1			1		3
101-500		1			1			1		3
501-1,000		1			1			1		3
1,001-3,300		1			1			1		3
3,301-10,000	1			1			1			3
10,001-25,000	1			1			1			3
25,001-50,000	1			1			1			3
50,001-75,000										0
75,001-100,000										0
100,001-500,000										0
500,001-1,000,000										0
> 1,000,000										0

Exhibit 5 (continued): SCENARIO 3a: Exceed>>Install Treatment>>Still Exceed (Study Required)

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	2	2	2	2	2	2	2	2	2	**18**
101-500	2	2	2	2	2	2	2	2	2	**18**
501-1,000	2	2	2	2	2	2	2	2	2	**18**
1,001-3,300	2	2	2	2	2	2	2	2	2	**18**
3,301-10,000	2	2	2	2	2	2	2	2	2	**18**
10,001-25,000	2	2	2	2	2	2	2	2	2	**18**
25,001-50,000	2	2	2	2	2	2	2	2	2	**18**
50,001-75,000	2	2	2	2	2	2	2	2	2	**18**
75,001-100,000	2	2	2	2	2	2	2	2	2	**18**
100,001-500,000	2	2	2	2	2	2	2	2	2	**18**
500,001-1,000,000	2	2	2	2	2	2	2	2	2	**18**
> 1,000,000	2	2	2	2	2	2	2	2	2	**18**
Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	2	2	2	2	2	2	2	2	2	**18**
101-500	2	2	2	2	2	2	2	2	2	**18**
501-1,000	2	2	2	2	2	2	2	2	2	**18**
1,001-3,300	2	2	2	2	2	2	2	2	2	**18**
3,301-10,000	2	2	2	2	2	2	2	2	2	**18**
10,001-25,000	2	2	2	2	2	2	2	2	2	**18**
25,001-50,000	2	2	2	2	2	2	2	2	2	**18**
50,001-75,000	2	2	2	2	2	2	2	2	2	**18**
75,001-100,000	2	2	2	2	2	2	2	2	2	**18**
100,001-500,000	2	2	2	2	2	2	2	2	2	**18**
500,001-1,000,000	2	2	2	2	2	2	2	2	2	**18**
> 1,000,000	2	2	2	2	2	2	2	2	2	**18**

Exhibit 5 - Tap Monitoring for Lead & Copper: Number of Monitoring Events, per System, per Year (cont.)

SCENARIO 3b: Exceed>>Install Treatment>>Still Exceed (No Study Required)

Ground Water Systems

Size Category	Years (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	2	2	2	2	2	2	2	2	2	**18**
101-500	2	2	2	2	2	2	2	2	2	**18**
501-1,000	2	2	2	2	2	2	2	2	2	**18**
1,001-3,300	2	2	2	2	2	2	2	2	2	**18**
3,301-10,000	2	2	2	2	2	2	2	2	2	**18**
10,001-25,000	2	2	2	2	2	2	2	2	2	**18**
25,001-50,000	2	2	2	2	2	2	2	2	2	**18**
50,001-75,000	2	2	2	2	2	2	2	2	2	**18**
75,001-100,000	2	2	2	2	2	2	2	2	2	**18**
100,001-500,000	2	2	2	2	2	2	2	2	2	**18**
500,001-1,000,000	2	2	2	2	2	2	2	2	2	**18**
> 1,000,000	2	2	2	2	2	2	2	2	2	**18**

Surface Water Systems

Size Category	Years 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	2	2	2	2	2	2	2	2	2	**18**
101-500	2	2	2	2	2	2	2	2	2	**18**
501-1,000	2	2	2	2	2	2	2	2	2	**18**
1,001-3,300	2	2	2	2	2	2	2	2	2	**18**
3,301-10,000	2	2	2	2	2	2	2	2	2	**18**
10,001-25,000	2	2	2	2	2	2	2	2	2	**18**
25,001-50,000	2	2	2	2	2	2	2	2	2	**18**
50,001-75,000	2	2	2	2	2	2	2	2	2	**18**
75,001-100,000	2	2	2	2	2	2	2	2	2	**18**
100,001-500,000	2	2	2	2	2	2	2	2	2	**18**
500,001-1,000,000	2	2	2	2	2	2	2	2	2	**18**
> 1,000,000	2	2	2	2	2	2	2	2	2	**18**

Exhibit 5 (continued): SCENARIO 1R: Monitor Only - Reduced (All Plastic)

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	1									1
101-500	1									1
501-1,000	1									1
1,001-3,300	1									1
3,301-10,000										0
10,001-25,000										0
25,001-50,000										0
50,001-75,000										0
75,001-100,000										0
100,001-500,000										0
500,001-1,000,000										0
> 1,000,000										0

Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	1									1
101-500	1									1
501-1,000	1									1
1,001-3,300	1									1
3,301-10,000										0
10,001-25,000										0
25,001-50,000										0
50,001-75,000										0
75,001-100,000										0
100,001-500,000										0
500,001-1,000,000										0
> 1,000,000										0

Note: Systems with waivers must monitor every 9 years.

Exhibit 5 - Tap Monitoring for Lead & Copper: Number of Monitoring Events, per System, per Year (cont.)

SCENARIO 3aAR: Treat, Then Enter Accelerated Reduced Monitoring Schedule

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100										0
101-500										0
501-1,000										0
1,001-3,300										0
3,301-10,000										0
10,001-25,000										0
25,001-50,000										0
50,001-75,000			1			1			1	3
75,001-100,000			1			1			1	3
100,001-500,000			1			1			1	3
500,001-1,000,000			1			1			1	3
> 1,000,000			1			1			1	3
Surface Water Systems										
	Years									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100										0
101-500										0
501-1,000										0
1,001-3,300										0
3,301-10,000										0
10,001-25,000										0
25,001-50,000										0
50,001-75,000			1			1			1	3
75,001-100,000			1			1			1	3
100,001-500,000			1			1			1	3
500,001-1,000,000			1			1			1	3
> 1,000,000			1			1			1	3

Exhibit 5 (continued): SCENARIO 2aAR: Accelerated Reduced Monitoring After Treatment (Study)

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	1			1			1			3
101-500	1			1			1			3
501-1,000	1			1			1			3
1,001-3,300	1			1			1			3
3,301-10,000			1			1			1	3
10,001-25,000			1			1			1	3
25,001-50,000			1			1			1	3
50,001-75,000										0
75,001-100,000										0
100,001-500,000										0
500,001-1,000,000										0
> 1,000,000										0
Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	1			1			1			3
101-500	1			1			1			3
501-1,000	1			1			1			3
1,001-3,300	1			1			1			3
3,301-10,000			1			1			1	3
10,001-25,000			1			1			1	3
25,001-50,000			1			1			1	3
50,001-75,000										0
75,001-100,000										0
100,001-500,000										0
500,001-1,000,000										0
> 1,000,000										0

Exhibit 5 - Tap Monitoring for Lead & Copper: Number of Monitoring Events, per System, per Year (cont.)

SCENARIO 2bAR: Accelerated Reduced Monitoring After Treatment (No Study)

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100			1			1			1	**3**
101-500			1			1			1	**3**
501-1,000			1			1			1	**3**
1,001-3,300			1			1			1	**3**
3,301-10,000			1			1			1	**3**
10,001-25,000			1			1			1	**3**
25,001-50,000			1			1			1	**3**
50,001-75,000										**0**
75,001-100,000										**0**
100,001-500,000										**0**
500,001-1,000,000										**0**
> 1,000,000										**0**

Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100			1			1			1	**3**
101-500			1			1			1	**3**
501-1,000			1			1			1	**3**
1,001-3,300			1			1			1	**3**
3,301-10,000			1			1			1	**3**
10,001-25,000			1			1			1	**3**
25,001-50,000			1			1			1	**3**
50,001-75,000										**0**
75,001-100,000										**0**
100,001-500,000										**0**
500,001-1,000,000										**0**
> 1,000,000										**0**

Under the short term revisions all systems that continue to exceed must perform semi-annual monitoring.

Exhibit 5 - Tap Monitoring for Lead & Copper: Number of Samples, per System, per Year

SCENARIO 1: Monitor Only

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	5	0	0	5	0	0	5	0	0	**15**
101-500	5	0	0	5	0	0	5	0	0	**15**
501-1,000	10	0	0	10	0	0	10	0	0	**30**
1,001-3,300	10	0	0	10	0	0	10	0	0	**30**
3,301-10,000	0	0	20	0	0	20	0	0	20	**60**
10,001-25,000	0	0	30	0	0	30	0	0	30	**90**
25,001-50,000	0	0	30	0	0	30	0	0	30	**90**
50,001-75,000	0	30	0	0	30	0	0	30	0	**90**
75,001-100,000	0	30	0	0	30	0	0	30	0	**90**
100,001-500,000	0	50	0	0	50	0	0	50	0	**150**
500,001-1,000,000	0	50	0	0	50	0	0	50	0	**150**
> 1,000,000	0	50	0	0	50	0	0	50	0	**150**

Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	5	0	0	5	0	0	5	0	0	**15**
101-500	5	0	0	5	0	0	5	0	0	**15**
501-1,000	10	0	0	10	0	0	10	0	0	**30**
1,001-3,300	10	0	0	10	0	0	10	0	0	**30**
3,301-10,000	0	0	20	0	0	20	0	0	20	**60**
10,001-25,000	0	0	30	0	0	30	0	0	30	**90**
25,001-50,000	0	0	30	0	0	30	0	0	30	**90**
50,001-75,000	0	30	0	0	30	0	0	30	0	**90**
75,001-100,000	0	30	0	0	30	0	0	30	0	**90**
100,001-500,000	0	50	0	0	50	0	0	50	0	**150**
500,001-1,000,000	0	50	0	0	50	0	0	50	0	**150**
> 1,000,000	0	50	0	0	50	0	0	50	0	**150**

Exhibit 5 (continued): SCENARIO 2a: Exceed>>Install Treatment>>No Longer Exceed (Study Required)

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	0	0	5	0	0	5	0	0	5	**15**
101-500	0	0	5	0	0	5	0	0	5	**15**
501-1,000	0	0	10	0	0	10	0	0	10	**30**
1,001-3,300	0	0	10	0	0	10	0	0	10	**30**
3,301-10,000	0	20	0	0	20	0	0	20	0	**60**
10,001-25,000	0	30	0	0	30	0	0	30	0	**90**
25,001-50,000	0	30	0	0	30	0	0	30	0	**90**
50,001-75,000	0	0	0	0	0	0	0	0	0	**0**
75,001-100,000	0	0	0	0	0	0	0	0	0	**0**
100,001-500,000	0	0	0	0	0	0	0	0	0	**0**
500,001-1,000,000	0	0	0	0	0	0	0	0	0	**0**
> 1,000,000	0	0	0	0	0	0	0	0	0	**0**

Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	0	0	5	0	0	5	0	0	5	**15**
101-500	0	0	5	0	0	5	0	0	5	**15**
501-1,000	0	0	10	0	0	10	0	0	10	**30**
1,001-3,300	0	0	10	0	0	10	0	0	10	**30**
3,301-10,000	0	20	0	0	20	0	0	20	0	**60**
10,001-25,000	0	30	0	0	30	0	0	30	0	**90**
25,001-50,000	0	30	0	0	30	0	0	30	0	**90**
50,001-75,000	0	0	0	0	0	0	0	0	0	**0**
75,001-100,000	0	0	0	0	0	0	0	0	0	**0**
100,001-500,000	0	0	0	0	0	0	0	0	0	**0**
500,001-1,000,000	0	0	0	0	0	0	0	0	0	**0**
> 1,000,000	0	0	0	0	0	0	0	0	0	**0**

Exhibit 5 - Tap Monitoring for Lead & Copper: Number of Samples, per System, per Year (cont.)

SCENARIO 2b: Exceed>>Install Treatment>>No Longer Exceed (No Study Required)

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	0	5	0	0	5	0	0	5	0	**15**
101-500	0	5	0	0	5	0	0	5	0	**15**
501-1,000	0	10	0	0	10	0	0	10	0	**30**
1,001-3,300	0	10	0	0	10	0	0	10	0	**30**
3,301-10,000	20	0	0	20	0	0	20	0	0	**60**
10,001-25,000	30	0	0	30	0	0	30	0	0	**90**
25,001-50,000	30	0	0	30	0	0	30	0	0	**90**
50,001-75,000	0	0	0	0	0	0	0	0	0	**0**
75,001-100,000	0	0	0	0	0	0	0	0	0	**0**
100,001-500,000	0	0	0	0	0	0	0	0	0	**0**
500,001-1,000,000	0	0	0	0	0	0	0	0	0	**0**
> 1,000,000	0	0	0	0	0	0	0	0	0	**0**
Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	0	5	0	0	5	0	0	5	0	**15**
101-500	0	5	0	0	5	0	0	5	0	**15**
501-1,000	0	10	0	0	10	0	0	10	0	**30**
1,001-3,300	0	10	0	0	10	0	0	10	0	**30**
3,301-10,000	20	0	0	20	0	0	20	0	0	**60**
10,001-25,000	30	0	0	30	0	0	30	0	0	**90**
25,001-50,000	30	0	0	30	0	0	30	0	0	**90**
50,001-75,000	0	0	0	0	0	0	0	0	0	**0**
75,001-100,000	0	0	0	0	0	0	0	0	0	**0**
100,001-500,000	0	0	0	0	0	0	0	0	0	**0**
500,001-1,000,000	0	0	0	0	0	0	0	0	0	**0**
> 1,000,000	0	0	0	0	0	0	0	0	0	**0**

Exhibit 5 (continued): SCENARIO 3a: Exceed>>Install Treatment>>Still Exceed (Study Required)

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	10	10	10	10	10	10	10	10	10	**90**
101-500	20	20	20	20	20	20	20	20	20	**180**
501-1,000	40	40	40	40	40	40	40	40	40	**360**
1,001-3,300	40	40	40	40	40	40	40	40	40	**360**
3,301-10,000	80	80	80	80	80	80	80	80	80	**720**
10,001-25,000	120	120	120	120	120	120	120	120	120	**1080**
25,001-50,000	120	120	120	120	120	120	120	120	120	**1080**
50,001-75,000	120	120	120	120	120	120	120	120	120	**1080**
75,001-100,000	120	120	120	120	120	120	120	120	120	**1080**
100,001-500,000	200	200	200	200	200	200	200	200	200	**1800**
500,001-1,000,000	200	200	200	200	200	200	200	200	200	**1800**
> 1,000,000	200	200	200	200	200	200	200	200	200	**1800**
Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	10	10	10	10	10	10	10	10	10	**90**
101-500	20	20	20	20	20	20	20	20	20	**180**
501-1,000	40	40	40	40	40	40	40	40	40	**360**
1,001-3,300	40	40	40	40	40	40	40	40	40	**360**
3,301-10,000	80	80	80	80	80	80	80	80	80	**720**
10,001-25,000	120	120	120	120	120	120	120	120	120	**1080**
25,001-50,000	120	120	120	120	120	120	120	120	120	**1080**
50,001-75,000	120	120	120	120	120	120	120	120	120	**1080**
75,001-100,000	120	120	120	120	120	120	120	120	120	**1080**
100,001-500,000	200	200	200	200	200	200	200	200	200	**1800**
500,001-1,000,000	200	200	200	200	200	200	200	200	200	**1800**
> 1,000,000	200	200	200	200	200	200	200	200	200	**1800**

Exhibit 5 - Tap Monitoring for Lead & Copper: Number of Samples, per System, per Year (cont.)

SCENARIO 3b: Exceed>>Install Treatment>>Still Exceed (No Study Required)

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	10	10	10	10	10	10	10	10	10	**90**
101-500	20	20	20	20	20	20	20	20	20	**180**
501-1,000	40	40	40	40	40	40	40	40	40	**360**
1,001-3,300	40	40	40	40	40	40	40	40	40	**360**
3,301-10,000	80	80	80	80	80	80	80	80	80	**720**
10,001-25,000	120	120	120	120	120	120	120	120	120	**1080**
25,001-50,000	120	120	120	120	120	120	120	120	120	**1080**
50,001-75,000	120	120	120	120	120	120	120	120	120	**1080**
75,001-100,000	120	120	120	120	120	120	120	120	120	**1080**
100,001-500,000	200	200	200	200	200	200	200	200	200	**1800**
500,001-1,000,000	200	200	200	200	200	200	200	200	200	**1800**
> 1,000,000	200	200	200	200	200	200	200	200	200	**1800**
Surface Water Systems										
	Years									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	10	10	10	10	10	10	10	10	10	**90**
101-500	20	20	20	20	20	20	20	20	20	**180**
501-1,000	40	40	40	40	40	40	40	40	40	**360**
1,001-3,300	40	40	40	40	40	40	40	40	40	**360**
3,301-10,000	80	80	80	80	80	80	80	80	80	**720**
10,001-25,000	120	120	120	120	120	120	120	120	120	**1080**
25,001-50,000	120	120	120	120	120	120	120	120	120	**1080**
50,001-75,000	120	120	120	120	120	120	120	120	120	**1080**
75,001-100,000	120	120	120	120	120	120	120	120	120	**1080**
100,001-500,000	200	200	200	200	200	200	200	200	200	**1800**
500,001-1,000,000	200	200	200	200	200	200	200	200	200	**1800**
> 1,000,000	200	200	200	200	200	200	200	200	200	**1800**

Exhibit 5 (continued): SCENARIO 1R: Monitor Only - Reduced (All Plastic)

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	5	0	0	0	0	0	0	0	0	**5**
101-500	5	0	0	0	0	0	0	0	0	**5**
501-1,000	10	0	0	0	0	0	0	0	0	**10**
1,001-3,300	10	0	0	0	0	0	0	0	0	**10**
3,301-10,000	0	0	0	0	0	0	0	0	0	**0**
10,001-25,000	0	0	0	0	0	0	0	0	0	**0**
25,001-50,000	0	0	0	0	0	0	0	0	0	**0**
50,001-75,000	0	0	0	0	0	0	0	0	0	**0**
75,001-100,000	0	0	0	0	0	0	0	0	0	**0**
100,001-500,000	0	0	0	0	0	0	0	0	0	**0**
500,001-1,000,000	0	0	0	0	0	0	0	0	0	**0**
> 1,000,000	0	0	0	0	0	0	0	0	0	**0**

Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	5	0	0	0	0	0	0	0	0	**5**
101-500	5	0	0	0	0	0	0	0	0	**5**
501-1,000	10	0	0	0	0	0	0	0	0	**10**
1,001-3,300	10	0	0	0	0	0	0	0	0	**10**
3,301-10,000	0	0	0	0	0	0	0	0	0	**0**
10,001-25,000	0	0	0	0	0	0	0	0	0	**0**
25,001-50,000	0	0	0	0	0	0	0	0	0	**0**
50,001-75,000	0	0	0	0	0	0	0	0	0	**0**
75,001-100,000	0	0	0	0	0	0	0	0	0	**0**
100,001-500,000	0	0	0	0	0	0	0	0	0	**0**
500,001-1,000,000	0	0	0	0	0	0	0	0	0	**0**
> 1,000,000	0	0	0	0	0	0	0	0	0	**0**

Note: Systems with waivers must monitor every 9 years.

Exhibit 5 - Tap Monitoring for Lead & Copper: Number of Samples, per System, per Year (cont.)

SCENARIO 3aAR: Treat, Then Enter Accelerated Reduced Monitoring Schedule

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	0	0	0	0	0	0	0	0	0	**0**
101-500	0	0	0	0	0	0	0	0	0	**0**
501-1,000	0	0	0	0	0	0	0	0	0	**0**
1,001-3,300	0	0	0	0	0	0	0	0	0	**0**
3,301-10,000	0	0	0	0	0	0	0	0	0	**0**
10,001-25,000	0	0	0	0	0	0	0	0	0	**0**
25,001-50,000	0	0	0	0	0	0	0	0	0	**0**
50,001-75,000	0	0	30	0	0	30	0	0	30	**90**
75,001-100,000	0	0	30	0	0	30	0	0	30	**90**
100,001-500,000	0	0	50	0	0	50	0	0	50	**150**
500,001-1,000,000	0	0	50	0	0	50	0	0	50	**150**
> 1,000,000	0	0	50	0	0	50	0	0	50	**150**
Surface Water Systems										
	Years									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	0	0	0	0	0	0	0	0	0	**0**
101-500	0	0	0	0	0	0	0	0	0	**0**
501-1,000	0	0	0	0	0	0	0	0	0	**0**
1,001-3,300	0	0	0	0	0	0	0	0	0	**0**
3,301-10,000	0	0	0	0	0	0	0	0	0	**0**
10,001-25,000	0	0	0	0	0	0	0	0	0	**0**
25,001-50,000	0	0	0	0	0	0	0	0	0	**0**
50,001-75,000	0	0	60	0	0	60	0	0	60	**180**
75,001-100,000	0	0	30	0	0	30	0	0	30	**90**
100,001-500,000	0	0	50	0	0	50	0	0	50	**150**
500,001-1,000,000	0	0	50	0	0	50	0	0	50	**150**
> 1,000,000	0	0	50	0	0	50	0	0	50	**150**

Exhibit 5 (continued): SCENARIO 2aAR: Accelerated Reduced Monitoring After Treatment (Study)

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	5	0	0	5	0	0	5	0	0	**15**
101-500	5	0	0	5	0	0	5	0	0	**15**
501-1,000	10	0	0	10	0	0	10	0	0	**30**
1,001-3,300	10	0	0	10	0	0	10	0	0	**30**
3,301-10,000	0	0	20	0	0	20	0	0	20	**60**
10,001-25,000	0	0	30	0	0	30	0	0	30	**90**
25,001-50,000	0	0	30	0	0	30	0	0	30	**90**
50,001-75,000	0	0	0	0	0	0	0	0	0	**0**
75,001-100,000	0	0	0	0	0	0	0	0	0	**0**
100,001-500,000	0	0	0	0	0	0	0	0	0	**0**
500,001-1,000,000	0	0	0	0	0	0	0	0	0	**0**
> 1,000,000	0	0	0	0	0	0	0	0	0	**0**
Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	5	0	0	5	0	0	5	0	0	**15**
101-500	5	0	0	5	0	0	5	0	0	**15**
501-1,000	10	0	0	10	0	0	10	0	0	**30**
1,001-3,300	10	0	0	10	0	0	10	0	0	**30**
3,301-10,000	0	0	20	0	0	20	0	0	20	**60**
10,001-25,000	0	0	30	0	0	30	0	0	30	**90**
25,001-50,000	0	0	30	0	0	30	0	0	30	**90**
50,001-75,000	0	0	0	0	0	0	0	0	0	**0**
75,001-100,000	0	0	0	0	0	0	0	0	0	**0**
100,001-500,000	0	0	0	0	0	0	0	0	0	**0**
500,001-1,000,000	0	0	0	0	0	0	0	0	0	**0**
> 1,000,000	0	0	0	0	0	0	0	0	0	**0**

Exhibit 5 - Tap Monitoring for Lead & Copper: Number of Samples, per System, per Year (cont.)

SCENARIO 2bAR: Accelerated Reduced Monitoring After Treatment (No Study)

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	0	0	5	0	0	5	0	0	5	**15**
101-500	0	0	5	0	0	5	0	0	5	**15**
501-1,000	0	0	10	0	0	10	0	0	10	**30**
1,001-3,300	0	0	10	0	0	10	0	0	10	**30**
3,301-10,000	0	0	20	0	0	20	0	0	20	**60**
10,001-25,000	0	0	30	0	0	30	0	0	30	**90**
25,001-50,000	0	0	30	0	0	30	0	0	30	**90**
50,001-75,000	0	0	0	0	0	0	0	0	0	**0**
75,001-100,000	0	0	0	0	0	0	0	0	0	**0**
100,001-500,000	0	0	0	0	0	0	0	0	0	**0**
500,001-1,000,000	0	0	0	0	0	0	0	0	0	**0**
> 1,000,000	0	0	0	0	0	0	0	0	0	**0**
Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	0	0	5	0	0	5	0	0	5	**15**
101-500	0	0	5	0	0	5	0	0	5	**15**
501-1,000	0	0	10	0	0	10	0	0	10	**30**
1,001-3,300	0	0	10	0	0	10	0	0	10	**30**
3,301-10,000	0	0	20	0	0	20	0	0	20	**60**
10,001-25,000	0	0	30	0	0	30	0	0	30	**90**
25,001-50,000	0	0	30	0	0	30	0	0	30	**90**
50,001-75,000	0	0	0	0	0	0	0	0	0	**0**
75,001-100,000	0	0	0	0	0	0	0	0	0	**0**
100,001-500,000	0	0	0	0	0	0	0	0	0	**0**
500,001-1,000,000	0	0	0	0	0	0	0	0	0	**0**
> 1,000,000	0	0	0	0	0	0	0	0	0	**0**

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY

SCENARIO 1: Monitor Only

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)								
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	6,727	33,635	-	-	33,635	-	-	33,635	-	-	33,635	11,212	6,727	2,242	134,540	44,847	$ 4,654,008	$ 1,551,336	$ 247,454	$ 82,485
101-500	8,042	40,210	-	-	40,210	-	-	40,210	-	-	40,210	13,403	8,042	2,681	160,840	53,613	$ 5,563,777	$ 1,854,592	$ 295,827	$ 98,609
501-1,000	2,592	25,920	-	-	25,920	-	-	25,920	-	-	25,920	8,640	2,592	864	103,680	34,560	$ 3,586,499	$ 1,195,500	$ 190,694	$ 63,565
1,001-3,300	3,340	33,400	-	-	33,400	-	-	33,400	-	-	33,400	11,133	3,340	1,113	133,600	44,533	$ 4,621,491	$ 1,540,497	$ 245,725	$ 81,908
3,301-10,000	2,043	-	-	40,860	-	-	40,860	-	-	40,860	40,860	13,620	2,043	681	163,440	54,480	$ 5,653,716	$ 1,884,572	$ 300,609	$ 100,203
10,001-25,000	742	-	-	22,260	-	-	22,260	-	-	22,260	22,260	7,420	742	247	89,040	29,680	$ 3,080,072	$ 1,026,691	$ 163,768	$ 54,589
25,001-50,000	266	-	-	7,980	-	-	7,980	-	-	7,980	7,980	2,660	266	89	31,920	10,640	$ 1,104,177	$ 368,059	$ 58,709	$ 19,570
50,001-75,000	106	-	3,180	-	-	3,180	-	-	3,180	-	3,180	1,060	106	35	12,720	4,240	$ 440,010	$ 146,670	$ 23,395	$ 7,798
75,001-100,000	44	-	1,320	-	-	1,320	-	-	1,320	-	1,320	440	44	15	5,280	1,760	$ 182,646	$ 60,882	$ 9,711	$ 3,237
100,001-500,000	58	-	2,900	-	-	2,900	-	-	2,900	-	2,900	967	58	19	11,600	3,867	$ 401,267	$ 133,756	$ 21,335	$ 7,112
500,001-1,000,000	5	-	250	-	-	250	-	-	250	-	250	83	5	2	1,000	333	$ 34,592	$ 11,531	$ 1,839	$ 613
> 1,000,000	2	-	100	-	-	100	-	-	100	-	100	33	2	1	400	133	$ 13,837	$ 4,612	$ 736	$ 245
Total	23,967	133,165	7,750	71,100	133,165	7,750	71,100	133,165	7,750	71,100	212,015	70,672	23,967	7,989	848,060	282,687	$ 29,336,092	$ 9,778,697	$ 1,559,803	$ 519,934

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)								
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	4,967	24,835	-	-	24,835	-	-	24,835	-	-	24,835	8,278	4,967	1,656	99,340	33,113	$ 3,436,369	$ 1,145,456	$ 182,712	$ 60,904
101-500	3,752	18,760	-	-	18,760	-	-	18,760	-	-	18,760	6,253	3,752	1,251	75,040	25,013	$ 2,595,784	$ 865,261	$ 138,018	$ 46,006
501-1,000	923	9,230	-	-	9,230	-	-	9,230	-	-	9,230	3,077	923	308	36,920	12,307	$ 1,277,137	$ 425,712	$ 67,905	$ 22,635
1,001-3,300	472	4,720	-	-	4,720	-	-	4,720	-	-	4,720	1,573	472	157	18,880	6,293	$ 653,097	$ 217,699	$ 34,725	$ 11,575
3,301-10,000	69	-	-	1,380	-	-	1,380	-	-	1,380	1,380	460	69	23	5,520	1,840	$ 190,948	$ 63,649	$ 10,153	$ 3,384
10,001-25,000	3	-	-	90	-	-	90	-	-	90	90	30	3	1	360	120	$ 12,453	$ 4,151	$ 662	$ 221
25,001-50,000	4	-	-	120	-	-	120	-	-	120	120	40	4	1	480	160	$ 16,604	$ 5,535	$ 883	$ 294
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	10,190	57,545	-	1,590	57,545	-	1,590	57,545	-	1,590	59,135	19,712	10,190	3,397	236,540	78,847	$ 8,182,392	$ 2,727,464	$ 435,059	$ 145,020

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)								
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	11,694	58,470	-	-	58,470	-	-	58,470	-	-	58,470	19,490	11,694	3,898	233,880	77,960	$ 8,090,377	$ 2,696,792	$ 430,166	$ 143,389
101-500	11,794	58,970	-	-	58,970	-	-	58,970	-	-	58,970	19,657	11,794	3,931	235,880	78,627	$ 8,159,561	$ 2,719,854	$ 433,845	$ 144,615
501-1,000	3,515	35,150	-	-	35,150	-	-	35,150	-	-	35,150	11,717	3,515	1,172	140,600	46,867	$ 4,863,635	$ 1,621,212	$ 258,600	$ 86,200
1,001-3,300	3,812	38,120	-	-	38,120	-	-	38,120	-	-	38,120	12,707	3,812	1,271	152,480	50,827	$ 5,274,588	$ 1,758,196	$ 280,450	$ 93,483
3,301-10,000	2,112	-	-	42,240	-	-	42,240	-	-	42,240	42,240	14,080	2,112	704	168,960	56,320	$ 5,844,664	$ 1,948,221	$ 310,761	$ 103,587
10,001-25,000	745	-	-	22,350	-	-	22,350	-	-	22,350	22,350	7,450	745	248	89,400	29,800	$ 3,092,525	$ 1,030,842	$ 164,430	$ 54,810
25,001-50,000	270	-	-	8,100	-	-	8,100	-	-	8,100	8,100	2,700	270	90	32,400	10,800	$ 1,120,781	$ 373,594	$ 59,592	$ 19,864
50,001-75,000	106	-	3,180	-	-	3,180	-	-	3,180	-	3,180	1,060	106	35	12,720	4,240	$ 440,010	$ 146,670	$ 23,395	$ 7,798
75,001-100,000	44	-	1,320	-	-	1,320	-	-	1,320	-	1,320	440	44	15	5,280	1,760	$ 182,646	$ 60,882	$ 9,711	$ 3,237
100,001-500,000	58	-	2,900	-	-	2,900	-	-	2,900	-	2,900	967	58	19	11,600	3,867	$ 401,267	$ 133,756	$ 21,335	$ 7,112
500,001-1,000,000	5	-	250	-	-	250	-	-	250	-	250	83	5	2	1,000	333	$ 34,592	$ 11,531	$ 1,839	$ 613
> 1,000,000	2	-	100	-	-	100	-	-	100	-	100	33	2	1	400	133	$ 13,837	$ 4,612	$ 736	$ 245
Total	34,157	190,710	7,750	72,690	190,710	7,750	72,690	190,710	7,750	72,690	271,150	90,383	34,157	11,386	1,084,600	361,533	$ 37,518,483	$12,506,161	$ 1,994,861	$ 664,954

Scenario1: Monitor Only (cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	582	2,910	-	-	2,910	-	-	2,910	-	-	2,910	970	582	194	11,640	3,880	$ 402,651	$ 134,217	$ 21,409	$ 7,136
101-500	1,255	6,275	-	-	6,275	-	-	6,275	-	-	6,275	2,092	1,255	418	25,100	8,367	$ 868,259	$ 289,420	$ 46,165	$ 15,388
501-1,000	679	6,790	-	-	6,790	-	-	6,790	-	-	6,790	2,263	679	226	27,160	9,053	$ 939,519	$ 313,173	$ 49,954	$ 16,651
1,001-3,300	1,498	14,980	-	-	14,980	-	-	14,980	-	-	14,980	4,993	1,498	499	59,920	19,973	$ 2,072,753	$ 690,918	$ 110,208	$ 36,736
3,301-10,000	1,664	-	-	33,280	-	-	33,280	-	-	33,280	33,280	11,093	1,664	555	133,120	44,373	$ 4,604,887	$ 1,534,962	$ 244,842	$ 81,614
10,001-25,000	975	-	-	29,250	-	-	29,250	-	-	29,250	29,250	9,750	975	325	117,000	39,000	$ 4,047,264	$ 1,349,088	$ 215,193	$ 71,731
25,001-50,000	515	-	-	15,450	-	-	15,450	-	-	15,450	15,450	5,150	515	172	61,800	20,600	$ 2,137,786	$ 712,595	$ 113,666	$ 37,889
50,001-75,000	255	-	7,650	-	-	7,650	-	-	7,650	-	7,650	2,550	255	85	30,600	10,200	$ 1,058,515	$ 352,838	$ 56,281	$ 18,760
75,001-100,000	133	-	3,990	-	-	3,990	-	-	3,990	-	3,990	1,330	133	44	15,960	5,320	$ 552,088	$ 184,029	$ 29,355	$ 9,785
100,001-500,000	308	-	15,400	-	-	15,400	-	-	15,400	-	15,400	5,133	308	103	61,600	20,533	$ 2,130,867	$ 710,289	$ 113,298	$ 37,766
500,001-1,000,000	35	-	1,750	-	-	1,750	-	-	1,750	-	1,750	583	35	12	7,000	2,333	$ 242,144	$ 80,715	$ 12,875	$ 4,292
> 1,000,000	20	-	1,000	-	-	1,000	-	-	1,000	-	1,000	333	20	7	4,000	1,333	$ 138,368	$ 46,123	$ 7,357	$ 2,452
Total	7,919	30,955	29,790	77,980	30,955	29,790	77,980	30,955	29,790	77,980	138,725	46,242	7,919	2,640	554,900	184,967	$ 19,195,101	$ 6,398,367	$ 1,020,605	$ 340,202

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	189	945	-	-	945	-	-	945	-	-	945	315	189	63	3,780	1,260	$ 130,758	$ 43,586	$ 6,952	$ 2,317
101-500	170	850	-	-	850	-	-	850	-	-	850	283	170	57	3,400	1,133	$ 117,613	$ 39,204	$ 6,253	$ 2,084
501-1,000	55	550	-	-	550	-	-	550	-	-	550	183	55	18	2,200	733	$ 76,102	$ 25,367	$ 4,046	$ 1,349
1,001-3,300	53	530	-	-	530	-	-	530	-	-	530	177	53	18	2,120	707	$ 73,335	$ 24,445	$ 3,899	$ 1,300
3,301-10,000	40	-	-	800	-	-	800	-	-	800	800	267	40	13	3,200	1,067	$ 110,694	$ 36,898	$ 5,886	$ 1,962
10,001-25,000	2	-	-	60	-	-	60	-	-	60	60	20	2	1	240	80	$ 8,302	$ 2,767	$ 441	$ 147
25,001-50,000	2	-	-	60	-	-	60	-	-	60	60	20	2	1	240	80	$ 8,302	$ 2,767	$ 441	$ 147
50,001-75,000	1	-	30	-	-	30	-	-	30	-	30	10	1	0	120	40	$ 4,151	$ 1,384	$ 221	$ 74
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	1	-	50	-	-	50	-	-	50	-	50	17	1	0	200	67	$ 6,918	$ 2,306	$ 368	$ 123
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	513	2,875	80	920	2,875	80	920	2,875	80	920	3,875	1,292	513	171	15,500	5,167	$ 536,176	$ 178,725	$ 28,509	$ 9,503

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	771	3,855	-	-	3,855	-	-	3,855	-	-	3,855	1,285	771	257	15,420	5,140	$ 533,409	$ 177,803	$ 28,361	$ 9,454
101-500	1,425	7,125	-	-	7,125	-	-	7,125	-	-	7,125	2,375	1,425	475	28,500	9,500	$ 985,872	$ 328,624	$ 52,419	$ 17,473
501-1,000	734	7,340	-	-	7,340	-	-	7,340	-	-	7,340	2,447	734	245	29,360	9,787	$ 1,015,621	$ 338,540	$ 54,001	$ 18,000
1,001-3,300	1,551	15,510	-	-	15,510	-	-	15,510	-	-	15,510	5,170	1,551	517	62,040	20,680	$ 2,146,088	$ 715,363	$ 114,108	$ 38,036
3,301-10,000	1,704	-	-	34,080	-	-	34,080	-	-	34,080	34,080	11,360	1,704	568	136,320	45,440	$ 4,715,581	$ 1,571,860	$ 250,728	$ 83,576
10,001-25,000	977	-	-	29,310	-	-	29,310	-	-	29,310	29,310	9,770	977	326	117,240	39,080	$ 4,055,566	$ 1,351,855	$ 215,635	$ 71,878
25,001-50,000	517	-	-	15,510	-	-	15,510	-	-	15,510	15,510	5,170	517	172	62,040	20,680	$ 2,146,088	$ 715,363	$ 114,108	$ 38,036
50,001-75,000	256	-	7,680	-	-	7,680	-	-	7,680	-	7,680	2,560	256	85	30,720	10,240	$ 1,062,666	$ 354,222	$ 56,502	$ 18,834
75,001-100,000	133	-	3,990	-	-	3,990	-	-	3,990	-	3,990	1,330	133	44	15,960	5,320	$ 552,088	$ 184,029	$ 29,355	$ 9,785
100,001-500,000	309	-	15,450	-	-	15,450	-	-	15,450	-	15,450	5,150	309	103	61,800	20,600	$ 2,137,786	$ 712,595	$ 113,666	$ 37,889
500,001-1,000,000	35	-	1,750	-	-	1,750	-	-	1,750	-	1,750	583	35	12	7,000	2,333	$ 242,144	$ 80,715	$ 12,875	$ 4,292
> 1,000,000	20	-	1,000	-	-	1,000	-	-	1,000	-	1,000	333	20	7	4,000	1,333	$ 138,368	$ 46,123	$ 7,357	$ 2,452
Total	8,432	33,830	29,870	78,900	33,830	29,870	78,900	33,830	29,870	78,900	142,600	47,533	8,432	2,811	570,400	190,133	$ 19,731,277	$ 6,577,092	$ 1,049,114	$ 349,705

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY

SCENARIO 2a: Exceed>>Install Treatment>>No Longer Exceed (Study Required)

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)								
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	647	-	-	3,235	-	-	3,235	-	-	3,235	3,235	1,078	647	216	12,940	4,313	$ 447,620	$ 149,207	$ 23,800	$ 7,933
101-500	774	-	-	3,870	-	-	3,870	-	-	3,870	3,870	1,290	774	258	15,480	5,160	$ 535,484	$ 178,495	$ 28,472	$ 9,491
501-1,000	252	-	-	2,520	-	-	2,520	-	-	2,520	2,520	840	252	84	10,080	3,360	$ 348,687	$ 116,229	$ 18,540	$ 6,180
1,001-3,300	325	-	-	3,250	-	-	3,250	-	-	3,250	3,250	1,083	325	108	13,000	4,333	$ 449,696	$ 149,899	$ 23,910	$ 7,970
3,301-10,000	132	-	####	-	-	2,640	-	-	2,640	-	2,640	880	132	44	10,560	3,520	$ 365,292	$ 121,764	$ 19,423	$ 6,474
10,001-25,000	48	-	####	-	-	1,440	-	-	1,440	-	1,440	480	48	16	5,760	1,920	$ 199,250	$ 66,417	$ 10,594	$ 3,531
25,001-50,000	17	-	510	-	-	510	-	-	510	-	510	170	17	6	2,040	680	$ 70,568	$ 23,523	$ 3,752	$ 1,251
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	2,195	-	####	12,875	-	4,590	12,875	-	4,590	12,875	17,465	5,822	2,195	732	69,860	23,287	$2,416,597	$ 805,532	$ 128,491	$ 42,830

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)								
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	466	-	-	2,330	-	-	2,330	-	-	2,330	2,330	777	466	155	9,320	3,107	$ 322,397	$ 107,466	$ 17,142	$ 5,714
101-500	352	-	-	1,760	-	-	1,760	-	-	1,760	1,760	587	352	117	7,040	2,347	$ 243,528	$ 81,176	$ 12,948	$ 4,316
501-1,000	88	-	-	880	-	-	880	-	-	880	880	293	88	29	3,520	1,173	$ 121,764	$ 40,588	$ 6,474	$ 2,158
1,001-3,300	44	-	-	440	-	-	440	-	-	440	440	147	44	15	1,760	587	$ 60,882	$ 20,294	$ 3,237	$ 1,079
3,301-10,000	4	-	80	-	-	80	-	-	80	-	80	27	4	1	320	107	$ 11,069	$ 3,690	$ 589	$ 196
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	954	-	80	5,410	-	80	5,410	-	80	5,410	5,490	1,830	954	318	21,960	7,320	$ 759,640	$ 253,213	$ 40,390	$ 13,463

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)								
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	1,113	-	-	5,565	-	-	5,565	-	-	5,565	5,565	1,855	1,113	371	22,260	7,420	$ 770,018	$ 256,673	$ 40,942	$ 13,647
101-500	1,126	-	-	5,630	-	-	5,630	-	-	5,630	5,630	1,877	1,126	375	22,520	7,507	$ 779,012	$ 259,671	$ 41,420	$ 13,807
501-1,000	340	-	-	3,400	-	-	3,400	-	-	3,400	3,400	1,133	340	113	13,600	4,533	$ 470,451	$ 156,817	$ 25,014	$ 8,338
1,001-3,300	369	-	-	3,690	-	-	3,690	-	-	3,690	3,690	1,230	369	123	14,760	4,920	$ 510,578	$ 170,193	$ 27,147	$ 9,049
3,301-10,000	136	-	2,720	-	-	2,720	-	-	2,720	-	2,720	907	136	45	10,880	3,627	$ 376,361	$ 125,454	$ 20,011	$ 6,670
10,001-25,000	48	-	1,440	-	-	1,440	-	-	1,440	-	1,440	480	48	16	5,760	1,920	$ 199,250	$ 66,417	$ 10,594	$ 3,531
25,001-50,000	17	-	510	-	-	510	-	-	510	-	510	170	17	6	2,040	680	$ 70,568	$ 23,523	$ 3,752	$ 1,251
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	3,149	-	####	18,285	-	4,670	18,285	-	4,670	18,285	22,955	7,652	3,149	1,050	91,820	30,607	$3,176,237	########	$ 168,881	$ 56,294

SCENARIO 2a: Exceed>>Install Treatment>>No Longer Exceed (Study Required)(cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	56	-	-	280	-	-	280	-	-	280	280	93	56	19	1,120	373	$ 38,743	$ 12,914	$ 2,060	$ 687
101-500	121	-	-	605	-	-	605	-	-	605	605	202	121	40	2,420	807	$ 83,713	$ 27,904	$ 4,451	$ 1,484
501-1,000	66	-	-	660	-	-	660	-	-	660	660	220	66	22	2,640	880	$ 91,323	$ 30,441	$ 4,856	$ 1,619
1,001-3,300	146	-	-	1,460	-	-	1,460	-	-	1,460	1,460	487	146	49	5,840	1,947	$ 202,017	$ 67,339	$ 10,741	$ 3,580
3,301-10,000	108	-	2,160	-	-	2,160	-	-	2,160	-	2,160	720	108	36	8,640	2,880	$ 298,875	$ 99,625	$ 15,891	$ 5,297
10,001-25,000	63	-	1,890	-	-	1,890	-	-	1,890	-	1,890	630	63	21	7,560	2,520	$ 261,516	$ 87,172	$ 13,905	$ 4,635
25,001-50,000	33	-	990	-	-	990	-	-	990	-	990	330	33	11	3,960	1,320	$ 136,984	$ 45,661	$ 7,283	$ 2,428
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	593	-	5,040	3,005	-	5,040	3,005	-	5,040	3,005	8,045	2,682	593	198	32,180	10,727	$1,113,171	$ 371,057	$ 59,187	$ 19,729

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	18	-	-	90	-	-	90	-	-	90	90	30	18	6	360	120	$ 12,453	$ 4,151	$ 662	$ 221
101-500	16	-	-	80	-	-	80	-	-	80	80	27	16	5	320	107	$ 11,069	$ 3,690	$ 589	$ 196
501-1,000	5	-	-	50	-	-	50	-	-	50	50	17	5	2	200	67	$ 6,918	$ 2,306	$ 368	$ 123
1,001-3,300	5	-	-	50	-	-	50	-	-	50	50	17	5	2	200	67	$ 6,918	$ 2,306	$ 368	$ 123
3,301-10,000	3	-	60	-	-	60	-	-	60	-	60	20	3	1	240	80	$ 8,302	$ 2,767	$ 441	$ 147
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	47	-	60	270	-	60	270	-	60	270	330	110	47	16	1,320	440	$ 45,661	$ 15,220	$ 2,428	$ 809

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	74	-	-	370	-	-	370	-	-	370	370	123	74	25	1,480	493	$ 51,196	$ 17,065	$ 2,722	$ 907
101-500	137	-	-	685	-	-	685	-	-	685	685	228	137	46	2,740	913	$ 94,782	$ 31,594	$ 5,040	$ 1,680
501-1,000	71	-	-	710	-	-	710	-	-	710	710	237	71	24	2,840	947	$ 98,241	$ 32,747	$ 5,223	$ 1,741
1,001-3,300	151	-	-	1,510	-	-	1,510	-	-	1,510	1,510	503	151	50	6,040	2,013	$ 208,936	$ 69,645	$ 11,109	$ 3,703
3,301-10,000	111	-	2,220	-	-	2,220	-	-	2,220	-	2,220	740	111	37	8,880	2,960	$ 307,177	$ 102,392	$ 16,333	$ 5,444
10,001-25,000	63	-	1,890	-	-	1,890	-	-	1,890	-	1,890	630	63	21	7,560	2,520	$ 261,516	$ 87,172	$ 13,905	$ 4,635
25,001-50,000	33	-	990	-	-	990	-	-	990	-	990	330	33	11	3,960	1,320	$ 136,984	$ 45,661	$ 7,283	$ 2,428
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	640	-	5,100	3,275	-	5,100	3,275	-	5,100	3,275	8,375	2,792	640	213	33,500	11,167	$1,158,832	$ 386,277	$ 61,615	$ 20,538

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY

SCENARIO 2b: Exceed>>Install Treatment>>No Longer Exceed (No Study Required)

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	1,940	-	9,700	-	-	9,700	-	-	9,700	-	9,700	3,233	1,940	647	38,800	12,933	$ 1,342,170	$ 447,390	$ 71,363	$ 23,788
101-500	2,321	-	11,605	-	-	11,605	-	-	11,605	-	11,605	3,868	2,321	774	46,420	15,473	$ 1,605,761	$ 535,254	$ 85,378	$ 28,459
501-1,000	756	-	7,560	-	-	7,560	-	-	7,560	-	7,560	2,520	756	252	30,240	10,080	$ 1,046,062	$ 348,687	$ 55,619	$ 18,540
1,001-3,300	975	-	9,750	-	-	9,750	-	-	9,750	-	9,750	3,250	975	325	39,000	13,000	$ 1,349,088	$ 449,696	$ 71,731	$ 23,910
3,301-10,000	396	7,920	-	-	7,920	-	-	7,920	-	-	7,920	2,640	396	132	31,680	10,560	$ 1,095,875	$ 365,292	$ 58,268	$ 19,423
10,001-25,000	144	4,320	-	-	4,320	-	-	4,320	-	-	4,320	1,440	144	48	17,280	5,760	$ 597,750	$ 199,250	$ 31,782	$ 10,594
25,001-50,000	52	1,560	-	-	1,560	-	-	1,560	-	-	1,560	520	52	17	6,240	2,080	$ 215,854	$ 71,951	$ 11,477	$ 3,826
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	6,584	13,800	38,615	-	13,800	38,615	-	13,800	38,615	-	52,415	17,472	6,584	2,195	209,660	69,887	$ 7,252,559	$ 2,417,520	$ 385,619	$ 128,540

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	1,397	-	6,985	-	-	6,985	-	-	6,985	-	6,985	2,328	1,397	466	27,940	9,313	$ 966,500	$ 322,167	$ 51,389	$ 17,130
101-500	1,056	-	5,280	-	-	5,280	-	-	5,280	-	5,280	1,760	1,056	352	21,120	7,040	$ 730,583	$ 243,528	$ 38,845	$ 12,948
501-1,000	263	-	2,630	-	-	2,630	-	-	2,630	-	2,630	877	263	88	10,520	3,507	$ 363,908	$ 121,303	$ 19,349	$ 6,450
1,001-3,300	131	-	1,310	-	-	1,310	-	-	1,310	-	1,310	437	131	44	5,240	1,747	$ 181,262	$ 60,421	$ 9,638	$ 3,213
3,301-10,000	13	260	-	-	260	-	-	260	-	-	260	87	13	4	1,040	347	$ 35,976	$ 11,992	$ 1,913	$ 638
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	1	30	-	-	30	-	-	30	-	-	30	10	1	0	120	40	$ 4,151	$ 1,384	$ 221	$ 74
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	2,861	290	16,205	-	290	16,205	-	290	16,205	-	16,495	5,498	2,861	954	65,980	21,993	$ 2,282,380	$ 760,793	$ 121,354	$ 40,451

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	3,337	-	16,685	-	-	16,685	-	-	16,685	-	16,685	5,562	3,337	1,112	66,740	22,247	$ 2,308,670	$ 769,557	$ 122,752	$ 40,917
101-500	3,377	-	16,885	-	-	16,885	-	-	16,885	-	16,885	5,628	3,377	1,126	67,540	22,513	$ 2,336,344	$ 778,781	$ 124,224	$ 41,408
501-1,000	1,019	-	10,190	-	-	10,190	-	-	10,190	-	10,190	3,397	1,019	340	40,760	13,587	$ 1,409,970	$ 469,990	$ 74,968	$ 24,989
1,001-3,300	1,106	-	11,060	-	-	11,060	-	-	11,060	-	11,060	3,687	1,106	369	44,240	14,747	$ 1,530,350	$ 510,117	$ 81,369	$ 27,123
3,301-10,000	409	8,180	-	-	8,180	-	-	8,180	-	-	8,180	2,727	409	136	32,720	10,907	$ 1,131,850	$ 377,283	$ 60,181	$ 20,060
10,001-25,000	144	4,320	-	-	4,320	-	-	4,320	-	-	4,320	1,440	144	48	17,280	5,760	$ 597,750	$ 199,250	$ 31,782	$ 10,594
25,001-50,000	53	1,590	-	-	1,590	-	-	1,590	-	-	1,590	530	53	18	6,360	2,120	$ 220,005	$ 73,335	$ 11,698	$ 3,899
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	9,445	14,090	54,820	-	14,090	54,820	-	14,090	54,820	-	68,910	22,970	9,445	3,148	275,640	91,880	$ 9,534,939	$ 3,178,313	$ 506,974	$ 168,991

SCENARIO 2b: Exceed>>Install Treatment>>No Longer Exceed (No Study Required) (cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	168	-	840	-	-	840	-	-	840	-	840	280	168	56	3,360	1,120	$ 116,229	$ 38,743	$ 6,180	$ 2,060
101-500	362	-	1,810	-	-	1,810	-	-	1,810	-	1,810	603	362	121	7,240	2,413	$ 250,446	$ 83,482	$ 13,316	$ 4,439
501-1,000	198	-	1,980	-	-	1,980	-	-	1,980	-	1,980	660	198	66	7,920	2,640	$ 273,969	$ 91,323	$ 14,567	$ 4,856
1,001-3,300	437	-	4,370	-	-	4,370	-	-	4,370	-	4,370	1,457	437	146	17,480	5,827	$ 604,668	$ 201,556	$ 32,150	$ 10,717
3,301-10,000	323	6,460	-	-	6,460	-	-	6,460	-	-	6,460	2,153	323	108	25,840	8,613	$ 893,857	$ 297,952	$ 47,526	$ 15,842
10,001-25,000	190	5,700	-	-	5,700	-	-	5,700	-	-	5,700	1,900	190	63	22,800	7,600	$ 788,698	$ 262,899	$ 41,935	$ 13,978
25,001-50,000	100	3,000	-	-	3,000	-	-	3,000	-	-	3,000	1,000	100	33	12,000	4,000	$ 415,104	$ 138,368	$ 22,071	$ 7,357
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	1,778	15,160	9,000	-	15,160	9,000	-	15,160	9,000	-	24,160	8,053	1,778	593	96,640	32,213	$ 3,342,971	$ 1,114,324	$ 177,746	$ 59,249

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	53	-	265	-	-	265	-	-	265	-	265	88	53	18	1,060	353	$ 36,668	$ 12,223	$ 1,950	$ 650
101-500	48	-	240	-	-	240	-	-	240	-	240	80	48	16	960	320	$ 33,208	$ 11,069	$ 1,766	$ 589
501-1,000	16	-	160	-	-	160	-	-	160	-	160	53	16	5	640	213	$ 22,139	$ 7,380	$ 1,177	$ 392
1,001-3,300	15	-	150	-	-	150	-	-	150	-	150	50	15	5	600	200	$ 20,755	$ 6,918	$ 1,104	$ 368
3,301-10,000	8	160	-	-	160	-	-	160	-	-	160	53	8	3	640	213	$ 22,139	$ 7,380	$ 1,177	$ 392
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	140	160	815	-	160	815	-	160	815	-	975	325	140	47	3,900	1,300	$ 134,909	$ 44,970	$ 7,173	$ 2,391

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	221	-	1,105	-	-	1,105	-	-	1,105	-	1,105	368	221	74	4,420	1,473	$ 152,897	$ 50,966	$ 8,130	$ 2,710
101-500	410	-	2,050	-	-	2,050	-	-	2,050	-	2,050	683	410	137	8,200	2,733	$ 283,654	$ 94,551	$ 15,082	$ 5,027
501-1,000	214	-	2,140	-	-	2,140	-	-	2,140	-	2,140	713	214	71	8,560	2,853	$ 296,108	$ 98,703	$ 15,744	$ 5,248
1,001-3,300	452	-	4,520	-	-	4,520	-	-	4,520	-	4,520	1,507	452	151	18,080	6,027	$ 625,423	$ 208,474	$ 33,254	$ 11,085
3,301-10,000	331	6,620	-	-	6,620	-	-	6,620	-	-	6,620	2,207	331	110	26,480	8,827	$ 915,996	$ 305,332	$ 48,704	$ 16,235
10,001-25,000	190	5,700	-	-	5,700	-	-	5,700	-	-	5,700	1,900	190	63	22,800	7,600	$ 788,698	$ 262,899	$ 41,935	$ 13,978
25,001-50,000	100	3,000	-	-	3,000	-	-	3,000	-	-	3,000	1,000	100	33	12,000	4,000	$ 415,104	$ 138,368	$ 22,071	$ 7,357
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	1,918	15,320	9,815	-	15,320	9,815	-	15,320	9,815	-	25,135	8,378	1,918	639	100,540	33,513	$ 3,477,880	$ 1,159,293	$ 184,919	$ 61,640

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY

SCENARIO 3a: Exceed>>Install Treatment>>Still Exceed (Study Required)

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	33	330	330	330	330	330	330	330	330	330	990	330	198	66	3,960	1,320	$ 136,984	$ 45,661	$ 7,283	$ 2,428
101-500	38	760	760	760	760	760	760	760	760	760	2,280	760	456	152	9,120	3,040	$ 315,479	$ 105,160	$ 16,774	$ 5,591
501-1,000	9	360	360	360	360	360	360	360	360	360	1,080	360	108	36	4,320	1,440	$ 149,437	$ 49,812	$ 7,946	$ 2,649
1,001-3,300	11	440	440	440	440	440	440	440	440	440	1,320	440	132	44	5,280	1,760	$ 182,646	$ 60,882	$ 9,711	$ 3,237
3,301-10,000	5	400	400	400	400	400	400	400	400	400	1,200	400	60	20	4,800	1,600	$ 166,042	$ 55,347	$ 8,828	$ 2,943
10,001-25,000	2	240	240	240	240	240	240	240	240	240	720	240	24	8	2,880	960	$ 99,625	$ 33,208	$ 5,297	$ 1,766
25,001-50,000	1	120	120	120	120	120	120	120	120	120	360	120	12	4	1,440	480	$ 49,812	$ 16,604	$ 2,649	$ 883
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	99	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	2,650	7,950	2,650	990	330	31,800	10,600	$ 1,100,026	$ 366,675	$ 58,488	$ 19,496

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	39	390	390	390	390	390	390	390	390	390	1,170	390	234	78	4,680	1,560	$ 161,891	$ 53,964	$ 8,608	$ 2,869
101-500	29	580	580	580	580	580	580	580	580	580	1,740	580	348	116	6,960	2,320	$ 240,760	$ 80,253	$ 12,801	$ 4,267
501-1,000	6	240	240	240	240	240	240	240	240	240	720	240	72	24	2,880	960	$ 99,625	$ 33,208	$ 5,297	$ 1,766
1,001-3,300	4	160	160	160	160	160	160	160	160	160	480	160	48	16	1,920	640	$ 66,417	$ 22,139	$ 3,531	$ 1,177
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	78	1,370	1,370	1,370	1,370	1,370	1,370	1,370	1,370	1,370	4,110	1,370	702	234	16,440	5,480	$ 568,692	$ 189,564	$ 30,237	$ 10,079

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	72	720	720	720	720	720	720	720	720	720	2,160	720	432	144	8,640	2,880	$ 298,875	$ 99,625	$ 15,891	$ 5,297
101-500	67	1,340	1,340	1,340	1,340	1,340	1,340	1,340	1,340	1,340	4,020	1,340	804	268	16,080	5,360	$ 556,239	$ 185,413	$ 29,575	$ 9,858
501-1,000	15	600	600	600	600	600	600	600	600	600	1,800	600	180	60	7,200	2,400	$ 249,062	$ 83,021	$ 13,243	$ 4,414
1,001-3,300	15	600	600	600	600	600	600	600	600	600	1,800	600	180	60	7,200	2,400	$ 249,062	$ 83,021	$ 13,243	$ 4,414
3,301-10,000	5	400	400	400	400	400	400	400	400	400	1,200	400	60	20	4,800	1,600	$ 166,042	$ 55,347	$ 8,828	$ 2,943
10,001-25,000	2	240	240	240	240	240	240	240	240	240	720	240	24	8	2,880	960	$ 99,625	$ 33,208	$ 5,297	$ 1,766
25,001-50,000	1	120	120	120	120	120	120	120	120	120	360	120	12	4	1,440	480	$ 49,812	$ 16,604	$ 2,649	$ 883
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	177	4,020	4,020	4,020	4,020	4,020	4,020	4,020	4,020	4,020	12,060	4,020	1,692	564	48,240	16,080	$ 1,668,718	$ 556,239	$ 88,726	$ 29,575

Scenario 3a: Exceed>>Install Treatment>>Still Exceed (Study Required) (cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	3	30	30	30	30	30	30	30	30	30	90	30	18	6	360	120	$ 12,453	$ 4,151	$ 662	$ 221
101-500	6	120	120	120	120	120	120	120	120	120	360	120	72	24	1,440	480	$ 49,812	$ 16,604	$ 2,649	$ 883
501-1,000	2	80	80	80	80	80	80	80	80	80	240	80	24	8	960	320	$ 33,208	$ 11,069	$ 1,766	$ 589
1,001-3,300	5	200	200	200	200	200	200	200	200	200	600	200	60	20	2,400	800	$ 83,021	$ 27,674	$ 4,414	$ 1,471
3,301-10,000	4	320	320	320	320	320	320	320	320	320	960	320	48	16	3,840	1,280	$ 132,833	$ 44,278	$ 7,063	$ 2,354
10,001-25,000	2	240	240	240	240	240	240	240	240	240	720	240	24	8	2,880	960	$ 99,625	$ 33,208	$ 5,297	$ 1,766
25,001-50,000	1	120	120	120	120	120	120	120	120	120	360	120	12	4	1,440	480	$ 49,812	$ 16,604	$ 2,649	$ 883
50,001-75,000	1	120	120	120	120	120	120	120	120	120	360	120	12	4	1,440	480	$ 49,812	$ 16,604	$ 2,649	$ 883
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	24	1,230	1,230	1,230	1,230	1,230	1,230	1,230	1,230	1,230	3,690	1,230	270	90	14,760	4,920	$ 510,578	$ 170,193	$ 27,147	$ 9,049

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	1	10	10	10	10	10	10	10	10	10	30	10	6	2	120	40	$ 4,151	$ 1,384	$ 221	$ 74
101-500	1	20	20	20	20	20	20	20	20	20	60	20	12	4	240	80	$ 8,302	$ 2,767	$ 441	$ 147
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	2	30	30	30	30	30	30	30	30	30	90	30	18	6	360	120	$ 12,453	$ 4,151	$ 662	$ 221

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	4	40	40	40	40	40	40	40	40	40	120	40	24	8	480	160	$ 16,604	$ 5,535	$ 883	$ 294
101-500	7	140	140	140	140	140	140	140	140	140	420	140	84	28	1,680	560	$ 58,115	$ 19,372	$ 3,090	$ 1,030
501-1,000	2	80	80	80	80	80	80	80	80	80	240	80	24	8	960	320	$ 33,208	$ 11,069	$ 1,766	$ 589
1,001-3,300	5	200	200	200	200	200	200	200	200	200	600	200	60	20	2,400	800	$ 83,021	$ 27,674	$ 4,414	$ 1,471
3,301-10,000	4	320	320	320	320	320	320	320	320	320	960	320	48	16	3,840	1,280	$ 132,833	$ 44,278	$ 7,063	$ 2,354
10,001-25,000	2	240	240	240	240	240	240	240	240	240	720	240	24	8	2,880	960	$ 99,625	$ 33,208	$ 5,297	$ 1,766
25,001-50,000	1	120	120	120	120	120	120	120	120	120	360	120	12	4	1,440	480	$ 49,812	$ 16,604	$ 2,649	$ 883
50,001-75,000	1	120	120	120	120	120	120	120	120	120	360	120	12	4	1,440	480	$ 49,812	$ 16,604	$ 2,649	$ 883
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	26	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260	3,780	1,260	288	96	15,120	5,040	$ 523,031	$ 174,344	$ 27,810	$ 9,270

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY

SCENARIO 3b: Exceed>>Install Treatment>>Still Exceed (No Study Required)

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	98	980	980	980	980	980	980	980	980	980	2,940	980	588	196	11,760	3,920	$ 406,802	$ 135,601	$ 21,630	$ 7,210
101-500	114	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	6,840	2,280	1,368	456	27,360	9,120	$ 946,437	$ 315,479	$ 50,322	$ 16,774
501-1,000	27	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	3,240	1,080	324	108	12,960	4,320	$ 448,312	$ 149,437	$ 23,837	$ 7,946
1,001-3,300	34	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360	1,360	4,080	1,360	408	136	16,320	5,440	$ 564,541	$ 188,180	$ 30,017	$ 10,006
3,301-10,000	15	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	3,600	1,200	180	60	14,400	4,800	$ 498,125	$ 166,042	$ 26,485	$ 8,828
10,001-25,000	5	600	600	600	600	600	600	600	600	600	1,800	600	60	20	7,200	2,400	$ 249,062	$ 83,021	$ 13,243	$ 4,414
25,001-50,000	2	240	240	240	240	240	240	240	240	240	720	240	24	8	2,880	960	$ 99,625	$ 33,208	$ 5,297	$ 1,766
50,001-75,000	1	120	120	120	120	120	120	120	120	120	360	120	12	4	1,440	480	$ 49,812	$ 16,604	$ 2,649	$ 883
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	296	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	7,860	23,580	7,860	2,964	988	94,320	31,440	$ 3,262,717	$ 1,087,572	$ 173,479	$ 57,826

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	116	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	3,480	1,160	696	232	13,920	4,640	$ 481,521	$ 160,507	$ 25,602	$ 8,534
101-500	87	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	5,220	1,740	1,044	348	20,880	6,960	$ 722,281	$ 240,760	$ 38,404	$ 12,801
501-1,000	18	720	720	720	720	720	720	720	720	720	2,160	720	216	72	8,640	2,880	$ 298,875	$ 99,625	$ 15,891	$ 5,297
1,001-3,300	13	520	520	520	520	520	520	520	520	520	1,560	520	156	52	6,240	2,080	$ 215,854	$ 71,951	$ 11,477	$ 3,826
3,301-10,000	1	80	80	80	80	80	80	80	80	80	240	80	12	4	960	320	$ 33,208	$ 11,069	$ 1,766	$ 589
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	235	4,220	4,220	4,220	4,220	4,220	4,220	4,220	4,220	4,220	12,660	4,220	2,124	708	50,640	16,880	$ 1,751,739	$ 583,913	$ 93,140	$ 31,047

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	214	2,140	2,140	2,140	2,140	2,140	2,140	2,140	2,140	2,140	6,420	2,140	1,284	428	25,680	8,560	$ 888,323	$ 296,108	$ 47,232	$ 15,744
101-500	201	4,020	4,020	4,020	4,020	4,020	4,020	4,020	4,020	4,020	12,060	4,020	2,412	804	48,240	16,080	$ 1,668,718	$ 556,239	$ 88,726	$ 29,575
501-1,000	45	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	5,400	1,800	540	180	21,600	7,200	$ 747,187	$ 249,062	$ 39,728	$ 13,243
1,001-3,300	47	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880	5,640	1,880	564	188	22,560	7,520	$ 780,396	$ 260,132	$ 41,494	$ 13,831
3,301-10,000	16	1,280	1,280	1,280	1,280	1,280	1,280	1,280	1,280	1,280	3,840	1,280	192	64	15,360	5,120	$ 531,333	$ 177,111	$ 28,251	$ 9,417
10,001-25,000	5	600	600	600	600	600	600	600	600	600	1,800	600	60	20	7,200	2,400	$ 249,062	$ 83,021	$ 13,243	$ 4,414
25,001-50,000	2	240	240	240	240	240	240	240	240	240	720	240	24	8	2,880	960	$ 99,625	$ 33,208	$ 5,297	$ 1,766
50,001-75,000	1	120	120	120	120	120	120	120	120	120	360	120	12	4	1,440	480	$ 49,812	$ 16,604	$ 2,649	$ 883
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	531	12,080	12,080	12,080	12,080	12,080	12,080	12,080	12,080	12,080	36,240	12,080	5,088	1,696	144,960	48,320	$ 5,014,456	$ 1,671,485	$ 266,619	$ 88,873

SCENARIO 3b: Exceed>>Install Treatment>>Still Exceed (No Study Required) (cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	8	80	80	80	80	80	80	80	80	80	240	80	48	16	960	320	$ 33,208	$ 11,069	$ 1,766	$ 589
101-500	18	360	360	360	360	360	360	360	360	360	1,080	360	216	72	4,320	1,440	$ 149,437	$ 49,812	$ 7,946	$ 2,649
501-1,000	7	280	280	280	280	280	280	280	280	280	840	280	84	28	3,360	1,120	$ 116,229	$ 38,743	$ 6,180	$ 2,060
1,001-3,300	15	600	600	600	600	600	600	600	600	600	1,800	600	180	60	7,200	2,400	$ 249,062	$ 83,021	$ 13,243	$ 4,414
3,301-10,000	12	960	960	960	960	960	960	960	960	960	2,880	960	144	48	11,520	3,840	$ 398,500	$ 132,833	$ 21,188	$ 7,063
10,001-25,000	6	720	720	720	720	720	720	720	720	720	2,160	720	72	24	8,640	2,880	$ 298,875	$ 99,625	$ 15,891	$ 5,297
25,001-50,000	3	360	360	360	360	360	360	360	360	360	1,080	360	36	12	4,320	1,440	$ 149,437	$ 49,812	$ 7,946	$ 2,649
50,001-75,000	2	240	240	240	240	240	240	240	240	240	720	240	24	8	2,880	960	$ 99,625	$ 33,208	$ 5,297	$ 1,766
75,001-100,000	1	120	120	120	120	120	120	120	120	120	360	120	12	4	1,440	480	$ 49,812	$ 16,604	$ 2,649	$ 883
100,001-500,000	1	200	200	200	200	200	200	200	200	200	600	200	12	4	2,400	800	$ 83,021	$ 27,674	$ 4,414	$ 1,471
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	73	3,920	3,920	3,920	3,920	3,920	3,920	3,920	3,920	3,920	11,760	3,920	828	276	47,040	15,680	$ 1,627,208	$ 542,403	$ 86,519	$ 28,840

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	4	40	40	40	40	40	40	40	40	40	120	40	24	8	480	160	$ 16,604	$ 5,535	$ 883	$ 294
101-500	4	80	80	80	80	80	80	80	80	80	240	80	48	16	960	320	$ 33,208	$ 11,069	$ 1,766	$ 589
501-1,000	1	40	40	40	40	40	40	40	40	40	120	40	12	4	480	160	$ 16,604	$ 5,535	$ 883	$ 294
1,001-3,300	1	40	40	40	40	40	40	40	40	40	120	40	12	4	480	160	$ 16,604	$ 5,535	$ 883	$ 294
3,301-10,000	1	80	80	80	80	80	80	80	80	80	240	80	12	4	960	320	$ 33,208	$ 11,069	$ 1,766	$ 589
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	11	280	280	280	280	280	280	280	280	280	840	280	108	36	3,360	1,120	$ 116,229	$ 38,743	$ 6,180	$ 2,060

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	12	120	120	120	120	120	120	120	120	120	360	120	72	24	1,440	480	$ 49,812	$ 16,604	$ 2,649	$ 883
101-500	22	440	440	440	440	440	440	440	440	440	1,320	440	264	88	5,280	1,760	$ 182,646	$ 60,882	$ 9,711	$ 3,237
501-1,000	8	320	320	320	320	320	320	320	320	320	960	320	96	32	3,840	1,280	$ 132,833	$ 44,278	$ 7,063	$ 2,354
1,001-3,300	16	640	640	640	640	640	640	640	640	640	1,920	640	192	64	7,680	2,560	$ 265,667	$ 88,556	$ 14,126	$ 4,709
3,301-10,000	13	1,040	1,040	1,040	1,040	1,040	1,040	1,040	1,040	1,040	3,120	1,040	156	52	12,480	4,160	$ 431,708	$ 143,903	$ 22,954	$ 7,651
10,001-25,000	6	720	720	720	720	720	720	720	720	720	2,160	720	72	24	8,640	2,880	$ 298,875	$ 99,625	$ 15,891	$ 5,297
25,001-50,000	3	360	360	360	360	360	360	360	360	360	1,080	360	36	12	4,320	1,440	$ 149,437	$ 49,812	$ 7,946	$ 2,649
50,001-75,000	2	240	240	240	240	240	240	240	240	240	720	240	24	8	2,880	960	$ 99,625	$ 33,208	$ 5,297	$ 1,766
75,001-100,000	1	120	120	120	120	120	120	120	120	120	360	120	12	4	1,440	480	$ 49,812	$ 16,604	$ 2,649	$ 883
100,001-500,000	1	200	200	200	200	200	200	200	200	200	600	200	12	4	2,400	800	$ 83,021	$ 27,674	$ 4,414	$ 1,471
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	84	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	12,600	4,200	936	312	50,400	16,800	$ 1,743,437	$ 581,146	$ 92,699	$ 30,900

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY

SCENARIO 1R: Monitor Only - Reduced (All Plastic)

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	1,121	5,605	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	1,340	6,700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	432	4,320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	557	5,570	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	3,450	22,195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	828	4,140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	625	3,125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	154	1,540	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	79	790	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	1,686	9,595	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	1,949	9,745	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	1,965	9,825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	586	5,860	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	636	6,360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	5,136	31,790	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

SCENARIO 1R: Monitor Only - Reduced (All Plastic)(cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	97	485	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	209	1,045	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	113	1,130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	250	2,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	669	5,160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	31	155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	28	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	9	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	9	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	77	475	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	128	640	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	237	1,185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	122	1,220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	259	2,590	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	746	5,635	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY

SCENARIO 3aAR: Treat, Then Enter Accelerated Reduced Monitoring Schedule

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

SCENARIO 3aAR: Treat, Then Enter Accelerated Reduced Monitoring Schedule (cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

SCENARIO 2aAR: Accelerated Reduced Monitoring After Treatment (Study)

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	162	810	-	-	810	-	-	810	-	-	810	270	162	54	3,240	1,080	$ 112,078	$ 37,359	$ 5,959	$ 1,986
101-500	193	965	-	-	965	-	-	965	-	-	965	322	193	64	3,860	1,287	$ 133,525	$ 44,508	$ 7,100	$ 2,367
501-1,000	63	630	-	-	630	-	-	630	-	-	630	210	63	21	2,520	840	$ 87,172	$ 29,057	$ 4,635	$ 1,545
1,001-3,300	81	810	-	-	810	-	-	810	-	-	810	270	81	27	3,240	1,080	$ 112,078	$ 37,359	$ 5,959	$ 1,986
3,301-10,000	33	-	-	660	-	-	660	-	-	660	660	220	33	11	2,640	880	$ 91,323	$ 30,441	$ 4,856	$ 1,619
10,001-25,000	12	-	-	360	-	-	360	-	-	360	360	120	12	4	1,440	480	$ 49,812	$ 16,604	$ 2,649	$ 883
25,001-50,000	4	-	-	120	-	-	120	-	-	120	120	40	4	1	480	160	$ 16,604	$ 5,535	$ 883	$ 294
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	548	3,215	-	1,140	3,215	-	1,140	3,215	-	1,140	4,355	1,452	548	183	17,420	5,807	$ 602,593	$ 200,864	$ 32,040	$ 10,680

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	116	580	-	-	580	-	-	580	-	-	580	193	116	39	2,320	773	$ 80,253	$ 26,751	$ 4,267	$ 1,422
101-500	88	440	-	-	440	-	-	440	-	-	440	147	88	29	1,760	587	$ 60,882	$ 20,294	$ 3,237	$ 1,079
501-1,000	22	220	-	-	220	-	-	220	-	-	220	73	22	7	880	293	$ 30,441	$ 10,147	$ 1,619	$ 540
1,001-3,300	11	110	-	-	110	-	-	110	-	-	110	37	11	4	440	147	$ 15,220	$ 5,073	$ 809	$ 270
3,301-10,000	1	-	-	20	-	-	20	-	-	20	20	7	1	0	80	27	$ 2,767	$ 922	$ 147	$ 49
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	238	1,350	-	20	1,350	-	20	1,350	-	20	1,370	457	238	79	5,480	1,827	$ 189,564	$ 63,188	$ 10,079	$ 3,360

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	278	1,390	-	-	1,390	-	-	1,390	-	-	1,390	463	278	93	5,560	1,853	$ 192,332	$ 64,111	$ 10,226	$ 3,409
101-500	281	1,405	-	-	1,405	-	-	1,405	-	-	1,405	468	281	94	5,620	1,873	$ 194,407	$ 64,802	$ 10,337	$ 3,446
501-1,000	85	850	-	-	850	-	-	850	-	-	850	283	85	28	3,400	1,133	$ 117,613	$ 39,204	$ 6,253	$ 2,084
1,001-3,300	92	920	-	-	920	-	-	920	-	-	920	307	92	31	3,680	1,227	$ 127,299	$ 42,433	$ 6,768	$ 2,256
3,301-10,000	34	-	-	680	-	-	680	-	-	680	680	227	34	11	2,720	907	$ 94,090	$ 31,363	$ 5,003	$ 1,668
10,001-25,000	12	-	-	360	-	-	360	-	-	360	360	120	12	4	1,440	480	$ 49,812	$ 16,604	$ 2,649	$ 883
25,001-50,000	4	-	-	120	-	-	120	-	-	120	120	40	4	1	480	160	$ 16,604	$ 5,535	$ 883	$ 294
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	786	4,565	-	1,160	4,565	-	1,160	4,565	-	1,160	5,725	1,908	786	262	22,900	7,633	$ 792,157	$ 264,052	$ 42,119	$ 14,040

SCENARIO 2aAR: Accelerated Reduced Monitoring After Treatment (Study) (cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	14	70	-	-	70	-	-	70	-	-	70	23	14	5	280	93	$ 9,686	$ 3,229	$ 515	$ 172
101-500	30	150	-	-	150	-	-	150	-	-	150	50	30	10	600	200	$ 20,755	$ 6,918	$ 1,104	$ 368
501-1,000	16	160	-	-	160	-	-	160	-	-	160	53	16	5	640	213	$ 22,139	$ 7,380	$ 1,177	$ 392
1,001-3,300	36	360	-	-	360	-	-	360	-	-	360	120	36	12	1,440	480	$ 49,812	$ 16,604	$ 2,649	$ 883
3,301-10,000	27	-	-	540	-	-	540	-	-	540	540	180	27	9	2,160	720	$ 74,719	$ 24,906	$ 3,973	$ 1,324
10,001-25,000	16	-	-	480	-	-	480	-	-	480	480	160	16	5	1,920	640	$ 66,417	$ 22,139	$ 3,531	$ 1,177
25,001-50,000	8	-	-	240	-	-	240	-	-	240	240	80	8	3	960	320	$ 33,208	$ 11,069	$ 1,766	$ 589
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	147	740	-	1,260	740	-	1,260	740	-	1,260	2,000	667	147	49	8,000	2,667	$ 276,736	$ 92,245	$ 14,714	$ 4,905

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	4	20	-	-	20	-	-	20	-	-	20	7	4	1	80	27	$ 2,767	$ 922	$ 147	$ 49
101-500	4	20	-	-	20	-	-	20	-	-	20	7	4	1	80	27	$ 2,767	$ 922	$ 147	$ 49
501-1,000	1	10	-	-	10	-	-	10	-	-	10	3	1	0	40	13	$ 1,384	$ 461	$ 74	$ 25
1,001-3,300	1	10	-	-	10	-	-	10	-	-	10	3	1	0	40	13	$ 1,384	$ 461	$ 74	$ 25
3,301-10,000	1	-	-	20	-	-	20	-	-	20	20	7	1	0	80	27	$ 2,767	$ 922	$ 147	$ 49
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	11	60	-	20	60	-	20	60	-	20	80	27	11	4	320	107	$ 11,069	$ 3,690	$ 589	$ 196

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	18	90	-	-	90	-	-	90	-	-	90	30	18	6	360	120	$ 12,453	$ 4,151	$ 662	$ 221
101-500	34	170	-	-	170	-	-	170	-	-	170	57	34	11	680	227	$ 23,523	$ 7,841	$ 1,251	$ 417
501-1,000	17	170	-	-	170	-	-	170	-	-	170	57	17	6	680	227	$ 23,523	$ 7,841	$ 1,251	$ 417
1,001-3,300	37	370	-	-	370	-	-	370	-	-	370	123	37	12	1,480	493	$ 51,196	$ 17,065	$ 2,722	$ 907
3,301-10,000	28	-	-	560	-	-	560	-	-	560	560	187	28	9	2,240	747	$ 77,486	$ 25,829	$ 4,120	$ 1,373
10,001-25,000	16	-	-	480	-	-	480	-	-	480	480	160	16	5	1,920	640	$ 66,417	$ 22,139	$ 3,531	$ 1,177
25,001-50,000	8	-	-	240	-	-	240	-	-	240	240	80	8	3	960	320	$ 33,208	$ 11,069	$ 1,766	$ 589
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	158	800	-	1,280	800	-	1,280	800	-	1,280	2,080	693	158	53	8,320	2,773	$ 287,805	$ 95,935	$ 15,303	$ 5,101

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY

SCENARIO 2bAR: Accelerated Reduced Monitoring After Treatment (No Study)

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	485	-	-	2,425	-	-	2,425	-	-	2,425	2,425	808	485	162	9,700	3,233	$ 335,542	$ 111,847	$ 17,841	$ 5,947
101-500	580	-	-	2,900	-	-	2,900	-	-	2,900	2,900	967	580	193	11,600	3,867	$ 401,267	$ 133,756	$ 21,335	$ 7,112
501-1,000	189	-	-	1,890	-	-	1,890	-	-	1,890	1,890	630	189	63	7,560	2,520	$ 261,516	$ 87,172	$ 13,905	$ 4,635
1,001-3,300	244	-	-	2,440	-	-	2,440	-	-	2,440	2,440	813	244	81	9,760	3,253	$ 337,618	$ 112,539	$ 17,951	$ 5,984
3,301-10,000	99	-	-	1,980	-	-	1,980	-	-	1,980	1,980	660	99	33	7,920	2,640	$ 273,969	$ 91,323	$ 14,567	$ 4,856
10,001-25,000	36	-	-	1,080	-	-	1,080	-	-	1,080	1,080	360	36	12	4,320	1,440	$ 149,437	$ 49,812	$ 7,946	$ 2,649
25,001-50,000	13	-	-	390	-	-	390	-	-	390	390	130	13	4	1,560	520	$ 53,964	$ 17,988	$ 2,869	$ 956
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	1,646	-	-	13,105	-	-	13,105	-	-	13,105	13,105	4,368	1,646	549	52,420	17,473	$ 1,813,313	$ 604,438	$ 96,414	$ 32,138

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	349	-	-	1,745	-	-	1,745	-	-	1,745	1,745	582	349	116	6,980	2,327	$ 241,452	$ 80,484	$ 12,838	$ 4,279
101-500	264	-	-	1,320	-	-	1,320	-	-	1,320	1,320	440	264	88	5,280	1,760	$ 182,646	$ 60,882	$ 9,711	$ 3,237
501-1,000	66	-	-	660	-	-	660	-	-	660	660	220	66	22	2,640	880	$ 91,323	$ 30,441	$ 4,856	$ 1,619
1,001-3,300	33	-	-	330	-	-	330	-	-	330	330	110	33	11	1,320	440	$ 45,661	$ 15,220	$ 2,428	$ 809
3,301-10,000	3	-	-	60	-	-	60	-	-	60	60	20	3	1	240	80	$ 8,302	$ 2,767	$ 441	$ 147
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	715	-	-	4,115	-	-	4,115	-	-	4,115	4,115	1,372	715	238	16,460	5,487	$ 569,384	$ 189,795	$ 30,274	$ 10,091

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	834	-	-	4,170	-	-	4,170	-	-	4,170	4,170	1,390	834	278	16,680	5,560	$ 576,995	$ 192,332	$ 30,679	$ 10,226
101-500	844	-	-	4,220	-	-	4,220	-	-	4,220	4,220	1,407	844	281	16,880	5,627	$ 583,913	$ 194,638	$ 31,047	$ 10,349
501-1,000	255	-	-	2,550	-	-	2,550	-	-	2,550	2,550	850	255	85	10,200	3,400	$ 352,838	$ 117,613	$ 18,760	$ 6,253
1,001-3,300	277	-	-	2,770	-	-	2,770	-	-	2,770	2,770	923	277	92	11,080	3,693	$ 383,279	$ 127,760	$ 20,379	$ 6,793
3,301-10,000	102	-	-	2,040	-	-	2,040	-	-	2,040	2,040	680	102	34	8,160	2,720	$ 282,271	$ 94,090	$ 15,008	$ 5,003
10,001-25,000	36	-	-	1,080	-	-	1,080	-	-	1,080	1,080	360	36	12	4,320	1,440	$ 149,437	$ 49,812	$ 7,946	$ 2,649
25,001-50,000	13	-	-	390	-	-	390	-	-	390	390	130	13	4	1,560	520	$ 53,964	$ 17,988	$ 2,869	$ 956
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	2,361	-	-	17,220	-	-	17,220	-	-	17,220	17,220	5,740	2,361	787	68,880	22,960	$ 2,382,697	$ 794,232	$ 126,688	$ 42,229

SCENARIO 2bAR: Accelerated Reduced Monitoring After Treatment (No Study)(cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	42	-	-	210	-	-	210	-	-	210	210	70	42	14	840	280	$ 29,057	$ 9,686	$ 1,545	$ 515
101-500	91	-	-	455	-	-	455	-	-	455	455	152	91	30	1,820	607	$ 62,957	$ 20,986	$ 3,347	$ 1,116
501-1,000	49	-	-	490	-	-	490	-	-	490	490	163	49	16	1,960	653	$ 67,800	$ 22,600	$ 3,605	$ 1,202
1,001-3,300	109	-	-	1,090	-	-	1,090	-	-	1,090	1,090	363	109	36	4,360	1,453	$ 150,821	$ 50,274	$ 8,019	$ 2,673
3,301-10,000	81	-	-	1,620	-	-	1,620	-	-	1,620	1,620	540	81	27	6,480	2,160	$ 224,156	$ 74,719	$ 11,918	$ 3,973
10,001-25,000	47	-	-	1,410	-	-	1,410	-	-	1,410	1,410	470	47	16	5,640	1,880	$ 195,099	$ 65,033	$ 10,373	$ 3,458
25,001-50,000	25	-	-	750	-	-	750	-	-	750	750	250	25	8	3,000	1,000	$ 103,776	$ 34,592	$ 5,518	$ 1,839
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	444	-	-	6,025	-	-	6,025	-	-	6,025	6,025	2,008	444	148	24,100	8,033	$ 833,667	$ 277,889	$ 44,326	$ 14,775

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	13	-	-	65	-	-	65	-	-	65	65	22	13	4	260	87	$ 8,994	$ 2,998	$ 478	$ 159
101-500	12	-	-	60	-	-	60	-	-	60	60	20	12	4	240	80	$ 8,302	$ 2,767	$ 441	$ 147
501-1,000	4	-	-	40	-	-	40	-	-	40	40	13	4	1	160	53	$ 5,535	$ 1,845	$ 294	$ 98
1,001-3,300	4	-	-	40	-	-	40	-	-	40	40	13	4	1	160	53	$ 5,535	$ 1,845	$ 294	$ 98
3,301-10,000	2	-	-	40	-	-	40	-	-	40	40	13	2	1	160	53	$ 5,535	$ 1,845	$ 294	$ 98
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	35	-	-	245	-	-	245	-	-	245	245	82	35	12	980	327	$ 33,900	$ 11,300	$ 1,802	$ 601

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	55	-	-	275	-	-	275	-	-	275	275	92	55	18	1,100	367	$ 38,051	$ 12,684	$ 2,023	$ 674
101-500	103	-	-	515	-	-	515	-	-	515	515	172	103	34	2,060	687	$ 71,260	$ 23,753	$ 3,789	$ 1,263
501-1,000	53	-	-	530	-	-	530	-	-	530	530	177	53	18	2,120	707	$ 73,335	$ 24,445	$ 3,899	$ 1,300
1,001-3,300	113	-	-	1,130	-	-	1,130	-	-	1,130	1,130	377	113	38	4,520	1,507	$ 156,356	$ 52,119	$ 8,313	$ 2,771
3,301-10,000	83	-	-	1,660	-	-	1,660	-	-	1,660	1,660	553	83	28	6,640	2,213	$ 229,691	$ 76,564	$ 12,213	$ 4,071
10,001-25,000	47	-	-	1,410	-	-	1,410	-	-	1,410	1,410	470	47	16	5,640	1,880	$ 195,099	$ 65,033	$ 10,373	$ 3,458
25,001-50,000	25	-	-	750	-	-	750	-	-	750	750	250	25	8	3,000	1,000	$ 103,776	$ 34,592	$ 5,518	$ 1,839
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	479	-	-	6,270	-	-	6,270	-	-	6,270	6,270	2,090	479	160	25,080	8,360	$ 867,567	$ 289,189	$ 46,129	$ 15,376

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY

Summary - All Scenarios

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	11,212	41,360	11,010	6,970	35,755	11,010	6,970	35,755	11,010	6,970	53,735	17,912	10,747	3,582	214,940	71,647	$ 7,435,204	$ 2,478,401	$ 395,331	$ 131,777
101-500	13,403	50,915	14,645	9,810	44,215	14,645	9,810	44,215	14,645	9,810	68,670	22,890	13,734	4,578	274,680	91,560	$ 9,501,731	$ 3,167,244	$ 505,208	$ 168,403
501-1,000	4,320	32,310	9,000	5,850	27,990	9,000	5,850	27,990	9,000	5,850	42,840	14,280	4,284	1,428	171,360	57,120	$ 5,927,685	$ 1,975,895	$ 315,176	$ 105,059
1,001-3,300	5,566	41,580	11,550	7,490	36,010	11,550	7,490	36,010	11,550	7,490	55,050	18,350	5,505	1,835	220,200	73,400	$ 7,617,158	$ 2,539,053	$ 405,005	$ 135,002
3,301-10,000	2,724	9,520	4,240	45,100	9,520	4,240	45,100	9,520	4,240	45,100	58,860	19,620	2,943	981	235,440	78,480	$ 8,144,340	$ 2,714,780	$ 433,035	$ 144,345
10,001-25,000	989	5,160	2,280	24,540	5,160	2,280	24,540	5,160	2,280	24,540	31,980	10,660	1,066	355	127,920	42,640	$ 4,425,009	$ 1,475,003	$ 235,278	$ 78,426
25,001-50,000	355	1,920	870	8,850	1,920	870	8,850	1,920	870	8,850	11,640	3,880	388	129	46,560	15,520	$ 1,610,604	$ 536,868	$ 85,636	$ 28,545
50,001-75,000	106	120	3,300	120	120	3,300	120	120	3,300	120	3,540	1,180	118	39	14,160	4,720	$ 489,823	$ 163,274	$ 26,044	$ 8,681
75,001-100,000	44	-	1,320	-	-	1,320	-	-	1,320	-	1,320	440	44	15	5,280	1,760	$ 182,646	$ 60,882	$ 9,711	$ 3,237
100,001-500,000	58	-	2,900	-	-	2,900	-	-	2,900	-	2,900	967	58	19	11,600	3,867	$ 401,267	$ 133,756	$ 21,335	$ 7,112
500,001-1,000,000	5	-	250	-	-	250	-	-	250	-	250	83	5	2	1,000	333	$ 34,592	$ 11,531	$ 1,839	$ 613
> 1,000,000	2	-	100	-	-	100	-	-	100	-	100	33	2	1	400	133	$ 13,837	$ 4,612	$ 736	$ 245
Total	38,784	182,885	61,465	108,730	160,690	61,465	108,730	160,690	61,465	108,730	330,885	110,295	38,894	12,965	1,323,540	441,180	$ 45,783,896	$ 15,261,299	$ 2,434,334	$ 811,445

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	8,279	31,105	8,535	5,625	26,965	8,535	5,625	26,965	8,535	5,625	41,125	13,708	8,225	2,742	164,500	54,833	$ 5,690,384	$ 1,896,795	$ 302,558	$ 100,853
101-500	6,254	24,645	7,600	5,400	21,520	7,600	5,400	21,520	7,600	5,400	34,520	11,507	6,904	2,301	138,080	46,027	$ 4,776,463	$ 1,592,154	$ 253,965	$ 84,655
501-1,000	1,539	11,950	3,590	2,500	10,410	3,590	2,500	10,410	3,590	2,500	16,500	5,500	1,650	550	66,000	22,000	$ 2,283,072	$ 761,024	$ 121,391	$ 40,464
1,001-3,300	786	6,300	1,990	1,450	5,510	1,990	1,450	5,510	1,990	1,450	8,950	2,983	895	298	35,800	11,933	$ 1,238,394	$ 412,798	$ 65,846	$ 21,949
3,301-10,000	92	340	160	1,540	340	160	1,540	340	160	1,540	2,040	680	102	34	8,160	2,720	$ 282,271	$ 94,090	$ 15,008	$ 5,003
10,001-25,000	4	-	-	90	-	-	90	-	-	90	90	30	3	1	360	120	$ 12,453	$ 4,151	$ 662	$ 221
25,001-50,000	5	30	-	120	30	-	120	30	-	120	150	50	5	2	600	200	$ 20,755	$ 6,918	$ 1,104	$ 368
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	16,958	74,370	21,875	16,725	64,775	21,875	16,725	64,775	21,875	16,725	103,375	34,458	17,784	5,928	413,500	137,833	$ 14,303,792	$ 4,767,931	$ 760,534	$ 253,511

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	19,491	72,465	19,545	12,595	62,720	19,545	12,595	62,720	19,545	12,595	94,860	31,620	18,972	6,324	379,440	126,480	$ 13,125,588	$ 4,375,196	$ 697,889	$ 232,630
101-500	19,657	75,560	22,245	15,210	65,735	22,245	15,210	65,735	22,245	15,210	103,190	34,397	20,638	6,879	412,760	137,587	$ 14,278,194	$ 4,759,398	$ 759,173	$ 253,058
501-1,000	5,859	44,260	12,590	8,350	38,400	12,590	8,350	38,400	12,590	8,350	59,340	19,780	5,934	1,978	237,360	79,120	$ 8,210,757	$ 2,736,919	$ 436,567	$ 145,522
1,001-3,300	6,352	47,880	13,540	8,940	41,520	13,540	8,940	41,520	13,540	8,940	64,000	21,333	6,400	2,133	256,000	85,333	$ 8,855,552	$ 2,951,851	$ 470,851	$ 156,950
3,301-10,000	2,816	9,860	4,400	46,640	9,860	4,400	46,640	9,860	4,400	46,640	60,900	20,300	3,045	1,015	243,600	81,200	$ 8,426,611	$ 2,808,870	$ 448,044	$ 149,348
10,001-25,000	993	5,160	2,280	24,630	5,160	2,280	24,630	5,160	2,280	24,630	32,070	10,690	1,069	356	128,280	42,760	$ 4,437,462	$ 1,479,154	$ 235,940	$ 78,647
25,001-50,000	360	1,950	870	8,970	1,950	870	8,970	1,950	870	8,970	11,790	3,930	393	131	47,160	15,720	$ 1,631,359	$ 543,786	$ 86,739	$ 28,913
50,001-75,000	106	120	3,300	120	120	3,300	120	120	3,300	120	3,540	1,180	118	39	14,160	4,720	$ 489,823	$ 163,274	$ 26,044	$ 8,681
75,001-100,000	44	-	1,320	-	-	1,320	-	-	1,320	-	1,320	440	44	15	5,280	1,760	$ 182,646	$ 60,882	$ 9,711	$ 3,237
100,001-500,000	58	-	2,900	-	-	2,900	-	-	2,900	-	2,900	967	58	19	11,600	3,867	$ 401,267	$ 133,756	$ 21,335	$ 7,112
500,001-1,000,000	5	-	250	-	-	250	-	-	250	-	250	83	5	2	1,000	333	$ 34,592	$ 11,531	$ 1,839	$ 613
> 1,000,000	2	-	100	-	-	100	-	-	100	-	100	33	2	1	400	133	$ 13,837	$ 4,612	$ 736	$ 245
Total	55,743	257,255	83,340	125,455	225,465	83,340	125,455	225,465	83,340	125,455	434,260	144,753	56,678	18,893	1,737,040	579,013	$ 60,087,688	$ 20,029,229	$ 3,194,868	$ 1,064,956

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY (cont.

Summary - All Scenarios (Cont.):

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	970	3,575	950	600	3,090	950	600	3,090	950	600	4,640	1,547	928	309	18,560	6,187	$ 642,028	$ 214,009	$ 34,137	$ 11,379
101-500	2,092	7,950	2,290	1,540	6,905	2,290	1,540	6,905	2,290	1,540	10,735	3,578	2,147	716	42,940	14,313	$ 1,485,380	$ 495,127	$ 78,978	$ 26,326
501-1,000	1,131	8,440	2,340	1,510	7,310	2,340	1,510	7,310	2,340	1,510	11,160	3,720	1,116	372	44,640	14,880	$ 1,544,187	$ 514,729	$ 82,105	$ 27,368
1,001-3,300	2,497	18,640	5,170	3,350	16,140	5,170	3,350	16,140	5,170	3,350	24,660	8,220	2,466	822	98,640	32,880	$ 3,412,155	$ 1,137,385	$ 181,425	$ 60,475
3,301-10,000	2,219	7,740	3,440	36,720	7,740	3,440	36,720	7,740	3,440	36,720	47,900	15,967	2,395	798	191,600	63,867	$ 6,627,827	$ 2,209,276	$ 352,402	$ 117,467
10,001-25,000	1,300	6,660	2,850	32,100	6,660	2,850	32,100	6,660	2,850	32,100	41,610	13,870	1,387	462	166,440	55,480	$ 5,757,492	$ 1,919,164	$ 306,126	$ 102,042
25,001-50,000	686	3,480	1,470	16,920	3,480	1,470	16,920	3,480	1,470	16,920	21,870	7,290	729	243	87,480	29,160	$ 3,026,108	$ 1,008,703	$ 160,898	$ 53,633
50,001-75,000	256	360	8,010	360	360	8,010	360	360	8,010	360	8,730	2,910	291	97	34,920	11,640	$ 1,207,953	$ 402,651	$ 64,227	$ 21,409
75,001-100,000	133	120	4,110	120	120	4,110	120	120	4,110	120	4,350	1,450	145	48	17,400	5,800	$ 601,901	$ 200,634	$ 32,003	$ 10,668
100,001-500,000	308	200	15,600	200	200	15,600	200	200	15,600	200	16,000	5,333	320	107	64,000	21,333	$ 2,213,888	$ 737,963	$ 117,713	$ 39,238
500,001-1,000,000	35	-	1,750	-	-	1,750	-	-	1,750	-	1,750	583	35	12	7,000	2,333	$ 242,144	$ 80,715	$ 12,875	$ 4,292
> 1,000,000	20	-	1,000	-	-	1,000	-	-	1,000	-	1,000	333	20	7	4,000	1,333	$ 138,368	$ 46,123	$ 7,357	$ 2,452
Total	11,647	57,165	48,980	93,420	52,005	48,980	93,420	52,005	48,980	93,420	194,405	64,802	11,979	3,993	777,620	259,207	$ 26,899,431	$ 8,966,477	$ 1,430,245	$ 476,748

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	314	1,170	315	205	1,015	315	205	1,015	315	205	1,535	512	307	102	6,140	2,047	$ 212,395	$ 70,798	$ 11,293	$ 3,764
101-500	283	1,110	340	240	970	340	240	970	340	240	1,550	517	310	103	6,200	2,067	$ 214,470	$ 71,490	$ 11,403	$ 3,801
501-1,000	92	690	200	130	600	200	130	600	200	130	930	310	93	31	3,720	1,240	$ 128,682	$ 42,894	$ 6,842	$ 2,281
1,001-3,300	88	670	190	130	580	190	130	580	190	130	900	300	90	30	3,600	1,200	$ 124,531	$ 41,510	$ 6,621	$ 2,207
3,301-10,000	53	240	140	940	240	140	940	240	140	940	1,320	440	66	22	5,280	1,760	$ 182,646	$ 60,882	$ 9,711	$ 3,237
10,001-25,000	3	-	-	60	-	-	60	-	-	60	60	20	2	1	240	80	$ 8,302	$ 2,767	$ 441	$ 147
25,001-50,000	3	-	-	60	-	-	60	-	-	60	60	20	2	1	240	80	$ 8,302	$ 2,767	$ 441	$ 147
50,001-75,000	1	-	30	-	-	30	-	-	30	-	30	10	1	0	120	40	$ 4,151	$ 1,384	$ 221	$ 74
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	1	-	50	-	-	50	-	-	50	-	50	17	1	0	200	67	$ 6,918	$ 2,306	$ 368	$ 123
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	839	3,880	1,265	1,765	3,405	1,265	1,765	3,405	1,265	1,765	6,435	2,145	872	291	25,740	8,580	$ 890,398	$ 296,799	$ 47,343	$ 15,781

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	1,284	4,745	1,265	805	4,105	1,265	805	4,105	1,265	805	6,175	2,058	1,235	412	24,700	8,233	$ 854,422	$ 284,807	$ 45,430	$ 15,143
101-500	2,375	9,060	2,630	1,780	7,875	2,630	1,780	7,875	2,630	1,780	12,285	4,095	2,457	819	49,140	16,380	$ 1,699,851	$ 566,617	$ 90,381	$ 30,127
501-1,000	1,223	9,130	2,540	1,640	7,910	2,540	1,640	7,910	2,540	1,640	12,090	4,030	1,209	403	48,360	16,120	$ 1,672,869	$ 557,623	$ 88,947	$ 29,649
1,001-3,300	2,585	19,310	5,360	3,480	16,720	5,360	3,480	16,720	5,360	3,480	25,560	8,520	2,556	852	102,240	34,080	$ 3,536,686	$ 1,178,895	$ 188,046	$ 62,682
3,301-10,000	2,272	7,980	3,580	37,660	7,980	3,580	37,660	7,980	3,580	37,660	49,220	16,407	2,461	820	196,880	65,627	$ 6,810,473	$ 2,270,158	$ 362,113	$ 120,704
10,001-25,000	1,303	6,660	2,850	32,160	6,660	2,850	32,160	6,660	2,850	32,160	41,670	13,890	1,389	463	166,680	55,560	$ 5,765,795	$ 1,921,932	$ 306,568	$ 102,189
25,001-50,000	689	3,480	1,470	16,980	3,480	1,470	16,980	3,480	1,470	16,980	21,930	7,310	731	244	87,720	29,240	$ 3,034,410	$ 1,011,470	$ 161,340	$ 53,780
50,001-75,000	257	360	8,040	360	360	8,040	360	360	8,040	360	8,760	2,920	292	97	35,040	11,680	$ 1,212,104	$ 404,035	$ 64,448	$ 21,483
75,001-100,000	133	120	4,110	120	120	4,110	120	120	4,110	120	4,350	1,450	145	48	17,400	5,800	$ 601,901	$ 200,634	$ 32,003	$ 10,668
100,001-500,000	309	200	15,650	200	200	15,650	200	200	15,650	200	16,050	5,350	321	107	64,200	21,400	$ 2,220,806	$ 740,269	$ 118,080	$ 39,360
500,001-1,000,000	35	-	1,750	-	-	1,750	-	-	1,750	-	1,750	583	35	12	7,000	2,333	$ 242,144	$ 80,715	$ 12,875	$ 4,292
> 1,000,000	20	-	1,000	-	-	1,000	-	-	1,000	-	1,000	333	20	7	4,000	1,333	$ 138,368	$ 46,123	$ 7,357	$ 2,452
Total	12,485	61,045	50,245	95,185	55,410	50,245	95,185	55,410	50,245	95,185	200,840	66,947	12,851	4,284	803,360	267,787	$ 27,789,829	$ 9,263,276	$ 1,477,588	$ 492,529

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY (cont.

Summary - All Scenarios (cont.)

ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)									
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	20,775	77,210	20,810	13,400	66,825	20,810	13,400	66,825	20,810	13,400	101,035	33,678	20,207	6,736	404,140	134,713	$ 13,980,011	$ 4,660,004	$ 743,318	$ 247,773
101-500	22,032	84,620	24,875	16,990	73,610	24,875	16,990	73,610	24,875	16,990	115,475	38,492	23,095	7,698	461,900	153,967	$ 15,978,045	$ 5,326,015	$ 849,554	$ 283,185
501-1,000	7,082	53,390	15,130	9,990	46,310	15,130	9,990	46,310	15,130	9,990	71,430	23,810	7,143	2,381	285,720	95,240	$ 9,883,626	$ 3,294,542	$ 525,513	$ 175,171
1,001-3,300	8,937	67,190	18,900	12,420	58,240	18,900	12,420	58,240	18,900	12,420	89,560	29,853	8,956	2,985	358,240	119,413	$ 12,392,238	$ 4,130,746	$ 658,896	$ 219,632
3,301-10,000	5,088	17,840	7,980	84,300	17,840	7,980	84,300	17,840	7,980	84,300	110,120	36,707	5,506	1,835	440,480	146,827	$ 15,237,084	$ 5,079,028	$ 810,157	$ 270,052
10,001-25,000	2,296	11,820	5,130	56,790	11,820	5,130	56,790	11,820	5,130	56,790	73,740	24,580	2,458	819	294,960	98,320	$ 10,203,256	$ 3,401,085	$ 542,508	$ 180,836
25,001-50,000	1,049	5,430	2,340	25,950	5,430	2,340	25,950	5,430	2,340	25,950	33,720	11,240	1,124	375	134,880	44,960	$ 4,665,769	$ 1,555,256	$ 248,079	$ 82,693
50,001-75,000	363	480	11,340	480	480	11,340	480	480	11,340	480	12,300	4,100	410	137	49,200	16,400	$ 1,701,926	$ 567,309	$ 90,492	$ 30,164
75,001-100,000	177	120	5,430	120	120	5,430	120	120	5,430	120	5,670	1,890	189	63	22,680	7,560	$ 784,547	$ 261,516	$ 41,714	$ 13,905
100,001-500,000	367	200	18,550	200	200	18,550	200	200	18,550	200	18,950	6,317	379	126	75,800	25,267	$ 2,622,074	$ 874,025	$ 139,416	$ 46,472
500,001-1,000,000	40	-	2,000	-	-	2,000	-	-	2,000	-	2,000	667	40	13	8,000	2,667	$ 276,736	$ 92,245	$ 14,714	$ 4,905
> 1,000,000	22	-	1,100	-	-	1,100	-	-	1,100	-	1,100	367	22	7	4,400	1,467	$ 152,205	$ 50,735	$ 8,093	$ 2,698
Total	68,228	318,300	133,585	220,640	280,875	133,585	220,640	280,875	133,585	220,640	635,100	211,700	69,529	23,176	2,540,400	846,800	$ 87,877,517	$ 29,292,506	$ 4,672,456	$ 1,557,485

Exhibit 7 - WQP MONITORING FOR LEAD & COPPER - SYSTEM INVENTORY

Source: SDWIS/FED Data from October 2014

GROUND WATER: CWSs

Size Category	Total Systems
≤100	11,212
101-500	13,403
501-1,000	4,320
1,001-3,300	5,566
3,301-10,000	2,724
10,001-25,000	989
25,001-50,000	355
50,001-75,000	106
75,001-100,000	44
100,001-500,000	58
500,001-1,000,000	5
> 1,000,000	2
TOTAL:	38,784

SURFACE WATER: CWSs

Size Category	Total Systems
≤100	970
101-500	2,092
501-1,000	1,131
1,001-3,300	2,497
3,301-10,000	2,219
10,001-25,000	1,300
25,001-50,000	686
50,001-75,000	256
75,001-100,000	133
100,001-500,000	308
500,001-1,000,000	35
> 1,000,000	20
TOTAL:	11,647

GROUND WATER: NTNCWSs

Size Category	Total Systems
≤100	8,279
101-500	6,254
501-1,000	1,539
1,001-3,300	786
3,301-10,000	92
10,001-25,000	4
25,001-50,000	5
50,001-75,000	-
75,001-100,000	-
100,001-500,000	-
500,001-1,000,000	-
> 1,000,000	-
TOTAL:	16,958

SURFACE WATER: NTNCWSs

Size Category	Total Systems
≤100	314
101-500	283
501-1,000	92
1,001-3,300	88
3,301-10,000	53
10,001-25,000	3
25,001-50,000	3
50,001-75,000	1
75,001-100,000	-
100,001-500,000	1
500,001-1,000,000	-
> 1,000,000	-
TOTAL:	839

GROUND WATER: ALL SYSTEMS

Size Category	Total Systems
≤100	19,491
101-500	19,657
501-1,000	5,859
1,001-3,300	6,352
3,301-10,000	2,816
10,001-25,000	993
25,001-50,000	360
50,001-75,000	106
75,001-100,000	44
100,001-500,000	58
500,001-1,000,000	5
> 1,000,000	2
TOTAL:	55,743

SURFACE WATER: ALL SYSTEMS

Size Category	Total Systems
≤100	1,284
101-500	2,375
501-1,000	1,223
1,001-3,300	2,585
3,301-10,000	2,272
10,001-25,000	1,303
25,001-50,000	689
50,001-75,000	257
75,001-100,000	133
100,001-500,000	309
500,001-1,000,000	35
> 1,000,000	20
TOTAL:	12,485

Exhibit 8 - WQP MONITORING - LABOR RATES

State Labor Rate $45.60

System Labor Rates	
≤100	$34.59
101-500	$34.59
501-1,000	$34.59
1,001-3,300	$34.59
3,301-10,000	$34.59
10,001-25,000	$34.59
25,001-50,000	$34.59
50,001-75,000	$34.59
75,001-100,000	$34.59
100,001-500,000	$34.59
500,001-1,000,000	$34.59
> 1,000,000	$34.59

PWS Labor Rate

Base (Hourly)	$21.62	2013$	National Occupational Employment and Wage Estimates, United States, BLS SOC Code 51-8031, "Local Government - Water and Liquid Waste Treatment Plant and System Operators". May 2013 data (published in April 2014).
Load Factor	1.6		
Inflation Factor	1.0	1	ECI New
Total	$34.59	1	ECI Base

State Labor Rate

Base (Hourly)	$28.50	2013$	National Occupational Employment and Wage Estimates, United States, BLS SOC Code 19-2041, "State Government - Environmental Scientists and Specialists, Including Health". May 2013 data (published in April 2014). http://www.bls.gov/oes/2013/may/oes192041.htm
Load Factor	1.6		
Inflation Factor	1.0	1	ECI New
Total	$45.60	1	ECI Base

Sampling Cost Inflation Factor

Inflation Factor	1.40	233.0	CPI All Urban Consumers (CPI-U): U.S. City Average, by Expenditure Category and Commodity and Service Group. All urban consumers, All items, Not seasonally adjusted. 2013 Annual Average.
		166.6	CPI-U Base Year

Exhibit 9 - WQP MONITORING - MONITORING, BURDEN, AND COST ASSUMPTIONS

GROUND WATER: CWSs

Size Category	Total Systems	Avg. # of Entry Pts. (Samples)	Avg. # of Representative Entry Points (Samples)	Average Labor Hrs. for Collection (Entry Point)	Average Labor Hrs. for Collection (Tap)	Average Labor Hrs. for Analysis (Entry Point)	Average Labor Hrs. for Analysis (Tap)	Labor Rate For Collection & Analysis	Average Material Cost Per Sample (Entry Point)	Average Material Cost Per Sample (Tap)	Total Average Labor Cost Per Mon. Event (Entry Point)	Total Average Labor Cost Per Mon. Event (Tap)	Total Average O&M Cost Per Mon. Event (Entry Point)	Total Average O&M Cost Per Mon. Event (Tap)
≤100	11,212	1.1	1.1	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 33.97	$ 86.48	$ 38.14	$ 55.93
101-500	13,403	1.2	1.2	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 37.99	$ 86.48	$ 42.66	$ 55.93
501-1,000	4,320	1.6	1.6	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 49.25	$ 86.48	$ 55.30	$ 55.93
1,001-3,300	5,566	1.9	1.9	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 57.77	$ 86.48	$ 64.86	$ 55.93
3,301-10,000	2,724	2.2	1.1	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 34.14	$ 86.48	$ 38.34	$ 55.93
10,001-25,000	989	3.5	1.8	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 55.02	$ 86.48	$ 61.78	$ 55.93
25,001-50,000	355	3.5	1.8	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 55.02	$ 86.48	$ 61.78	$ 55.93
50,001-75,000	106	9.4	3.1	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 97.72	$ 86.48	$ 109.72	$ 55.93
75,001-100,000	44	9.4	3.1	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 97.72	$ 86.48	$ 109.72	$ 55.93
100,001-500,000	58	12.6	4.2	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 130.33	$ 86.48	$ 146.34	$ 55.93
500,001-1,000,000	5	12.6	4.2	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 130.33	$ 86.48	$ 146.34	$ 55.93
> 1,000,000	2	12.6	4.2	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 130.33	$ 86.48	$ 146.34	$ 55.93
TOTAL:	38,784													

GROUND WATER: NTNCWSs

Size Category	Total Systems	Avg. # of Entry Pts. (Samples)	Avg. # of Representative Entry Points (Samples)	Average Labor Hrs. for Collection (Entry Point)	Average Labor Hrs. for Collection (Tap)	Average Labor Hrs. for Analysis (Entry Point)	Average Labor Hrs. for Analysis (Tap)	Labor Rate For Collection & Analysis	Average Material Cost Per Sample (Entry Point)	Average Material Cost Per Sample (Tap)	Total Average Labor Cost Per Mon. Event (Entry Point)	Total Average Labor Cost Per Mon. Event (Tap)	Total Average O&M Cost Per Mon. Event (Entry Point)	Total Average O&M Cost Per Mon. Event (Tap)
≤100	8,279	1.0	1.0	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
101-500	6,254	1.0	1.0	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
501-1,000	1,539	1.0	1.0	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
1,001-3,300	786	1.0	1.0	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
3,301-10,000	92	1.0	1.0	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
10,001-25,000	4	1.0	1.0	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
25,001-50,000	5	1.0	1.0	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
50,001-75,000	-	1.0	1.0	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
75,001-100,000	-	1.0	1.0	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
100,001-500,000	-	1.0	1.0	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
500,001-1,000,000	-	1.0	1.0	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
> 1,000,000	-	1.0	1.0	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
TOTAL:	16,958													

GROUND WATER: ALL SYSTEMS

Size Category	Total Systems	Avg. # of Entry Pts. (Samples)	Avg. # of Representative Entry Points (Samples)	Average Labor Hrs. for Collection (Entry Point)	Average Labor Hrs. for Collection (Tap)	Average Labor Hrs. for Analysis (Entry Point)	Average Labor Hrs. for Analysis (Tap)	Labor Rate For Collection & Analysis	Average Material Cost Per Sample (Entry Point)	Average Material Cost Per Sample (Tap)	Total Average Labor Cost Per Mon. Event (Entry Point)	Total Average Labor Cost Per Mon. Event (Tap)	Total Average O&M Cost Per Mon. Event (Entry Point)	Total Average O&M Cost Per Mon. Event (Tap)
≤100	19,491	varies	varies	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
101-500	19,657	varies	varies	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
501-1,000	5,859	varies	varies	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
1,001-3,300	6,352	varies	varies	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
3,301-10,000	2,816	varies	varies	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
10,001-25,000	993	varies	varies	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
25,001-50,000	360	varies	varies	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
50,001-75,000	106	varies	varies	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
75,001-100,000	44	varies	varies	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
100,001-500,000	58	varies	varies	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
500,001-1,000,000	5	varies	varies	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
> 1,000,000	2	varies	varies	0.4	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 31.13	$ 86.48	$ 34.96	$ 55.93
TOTAL:	55,743													

Exhibit 9 - WQP MONITORING - MONITORING, BURDEN, AND COST ASSUMPTIONS (cont.)

SURFACE WATER: CWSs

Size Category	Total Systems	Avg. # of Entry Pts. (Samples)	Avg. # of Representative Entry Points (Samples)	Average Labor Hrs. for Collection (Entry Point)	Average Labor Hrs. for Collection (Tap)	Average Labor Hrs. for Analysis (Entry Point)	Average Labor Hrs. for Analysis (Tap)	Labor Rate For Collection & Analysis	Average Material Cost Per Sample (Entry Point)	Average Material Cost Per Sample (Tap)	Total Average Labor Cost Per Mon. Event (Entry Point)	Total Average Labor Cost Per Mon. Event (Tap)	Total Average O&M Cost Per Mon. Event (Entry Point)	Total Average O&M Cost Per Mon. Event (Tap)
≤100	970	1.1	1.1	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 18.59	$ 86.48	$ 37.57	$ 55.93
101-500	2,092	1.1	1.1	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 19.40	$ 86.48	$ 39.22	$ 55.93
501-1,000	1,131	1.3	1.3	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 22.84	$ 86.48	$ 46.16	$ 55.93
1,001-3,300	2,497	1.3	1.3	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 22.15	$ 86.48	$ 44.77	$ 55.93
3,301-10,000	2,219	1.3	1.3	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 21.80	$ 86.48	$ 44.07	$ 55.93
10,001-25,000	1,300	1.6	1.6	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 27.27	$ 86.48	$ 55.12	$ 55.93
25,001-50,000	686	1.6	1.6	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 27.27	$ 86.48	$ 55.12	$ 55.93
50,001-75,000	256	2.0	2.0	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 34.28	$ 86.48	$ 69.28	$ 55.93
75,001-100,000	133	2.0	2.0	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 34.28	$ 86.48	$ 69.28	$ 55.93
100,001-500,000	308	3.3	3.3	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 57.06	$ 86.48	$ 115.32	$ 55.93
500,001-1,000,000	35	3.3	3.3	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 57.06	$ 86.48	$ 115.32	$ 55.93
> 1,000,000	20	3.3	3.3	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 57.06	$ 86.48	$ 115.32	$ 55.93
TOTAL:	11,647													

SURFACE WATER: NTNCWSs

Size Category	Total Systems	Avg. # of Entry Pts. (Samples)	Avg. # of Representative Entry Points (Samples)	Average Labor Hrs. for Collection (Entry Point)	Average Labor Hrs. for Collection (Tap)	Average Labor Hrs. for Analysis (Entry Point)	Average Labor Hrs. for Analysis (Tap)	Labor Rate For Collection & Analysis	Average Material Cost Per Sample (Entry Point)	Average Material Cost Per Sample (Tap)	Total Average Labor Cost Per Mon. Event (Entry Point)	Total Average Labor Cost Per Mon. Event (Tap)	Total Average O&M Cost Per Mon. Event (Entry Point)	Total Average O&M Cost Per Mon. Event (Tap)
≤100	314	1.0	1.0	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
101-500	283	1.0	1.0	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
501-1,000	92	1.0	1.0	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
1,001-3,300	88	1.0	1.0	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
3,301-10,000	53	1.0	1.0	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
10,001-25,000	3	1.0	1.0	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
25,001-50,000	3	1.0	1.0	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
50,001-75,000	1	1.0	1.0	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
75,001-100,000	-	1.0	1.0	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
100,001-500,000	1	1.0	1.0	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
500,001-1,000,000	-	1.0	1.0	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
> 1,000,000	-	1.0	1.0	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
TOTAL:	839													

SURFACE WATER: ALL SYSTEMS

Size Category	Total Systems	Avg. # of Entry Pts (Samples)	Avg. # of Representative Entry Points (Samples)	Average Labor Hrs. for Collection (Entry Point)	Average Labor Hrs. for Collection (Tap)	Average Labor Hrs. for Analysis (Entry Point)	Average Labor Hrs. for Analysis (Tap)	Labor Rate For Collection & Analysis	Average Material Cost Per Sample (Entry Point)	Average Material Cost Per Sample (Tap)	Total Average Labor Cost Per Mon. Event (Entry Point)	Total Average Labor Cost Per Mon. Event (Tap)	Total Average O&M Cost Per Mon. Event (Entry Point)	Total Average O&M Cost Per Mon. Event (Tap)
≤100	1,284	varies	varies	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
101-500	2,375	varies	varies	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
501-1,000	1,223	varies	varies	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
1,001-3,300	2,585	varies	varies	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
3,301-10,000	2,272	varies	varies	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
10,001-25,000	1,303	varies	varies	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
25,001-50,000	689	varies	varies	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
50,001-75,000	257	varies	varies	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
75,001-100,000	133	varies	varies	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
100,001-500,000	309	varies	varies	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
500,001-1,000,000	35	varies	varies	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
> 1,000,000	20	varies	varies	-	0.5	0.5	2.0	$ 34.59	$ 34.96	$ 55.93	$ 17.30	$ 86.48	$ 34.96	$ 55.93
TOTAL:	12,485													

Notes:

Samples at representative entry points account for the allowance for medium and large systems to collect from representative entry points. EPA estimates that large ground water systems will reduce their number of samples by two-thirds and medium systems by one-half.

No WQP entry point collection burden is assumed for 20% of ground water and all surface water systems - samples assumed to be collected with other samples.

Material Costs updated from the 1999 ICR using the CPI-U index for 2010

Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 10 - WQP MONITORING - MONITORING SCENARIO ALLOCATION

GROUND WATER: CWSs

Size Category	Total Systems	Actual Number of B3 Systems	Percent of Systems Under Each Monitoring Scenario									
			1	1	2	2	3a	3a	3aAR	3aAR	3b	3b
			Monitor Only -- only b3s -- (ENTRY POINT)	Monitor Only – only b3s -- (TAP)	Don't Exceed After Treatment (ENTRY POINT)	Don't Exceed After Treatment (TAP)	Exceed After Treatment, Study (Entry Point)	Exceed After Treatment, Study (Tap)	Accel. Reduced Exceed After Treatment, Study (Entry Point)	Accel. Reduced Exceed After Treatment, Study (Tap)	Exceed After Treatment, No Study (Entry Point)	Exceed After Treatment, No Study (Tap)
≤100	11,212	-	-	-	-	-	0.29%	0.29%	-	-	0.87%	0.87%
101-500	13,403	-	-	-	-	-	0.28%	0.28%	-	-	0.85%	0.85%
501-1,000	4,320	-	-	-	-	-	0.21%	0.21%	-	-	0.63%	0.63%
1,001-3,300	5,566	-	-	-	-	-	0.20%	0.20%	-	-	0.60%	0.60%
3,301-10,000	2,724	-	-	-	-	-	0.19%	0.19%	-	-	0.56%	0.56%
10,001-25,000	989	-	-	-	-	-	0.16%	0.16%	-	-	0.49%	0.49%
25,001-50,000	355	-	-	-	-	-	0.17%	0.17%	-	-	0.50%	0.50%
50,001-75,000	106	22	-	-	-	-	0.28%	0.28%	-	-	0.83%	0.83%
75,001-100,000	44	10	-	-	-	-	0.14%	0.14%	-	-	0.42%	0.42%
100,001-500,000	58	22	-	-	-	-	0.16%	0.16%	-	-	0.48%	0.48%
500,001-1 Million	5	1	-	-	-	-	0.42%	0.42%	-	-	1.25%	1.25%
> 1 Million	2	-	-	-	-	-	0.00%	0.00%	-	-	0.00%	0.00%
TOTAL:	38,784											

GROUND WATER: NTNCWSs

Size Category	Total Systems	Actual Number of B3 Systems	Percent of Systems Under Each Monitoring Scenario									
			1	1	2	2	3a	3a	3aAR	3aAR	3b	3b
			Monitor Only -- only b3s -- (ENTRY POINT)	Monitor Only – only b3s -- (TAP)	Don't Exceed After Treatment (ENTRY POINT)	Don't Exceed After Treatment (TAP)	Exceed After Treatment, Study (Entry Point)	Exceed After Treatment, Study (Tap)	Accel. Reduced Exceed After Treatment, Study (Entry Point)	Accel. Reduced Exceed After Treatment, Study (Tap)	Exceed After Treatment, No Study (Entry Point)	Exceed After Treatment, No Study (Tap)
≤100	8,279	-	-	-	-	-	0.47%	0.47%	-	-	1.40%	1.40%
101-500	6,254	-	-	-	-	-	0.47%	0.47%	-	-	1.40%	1.40%
501-1,000	1,539	-	-	-	-	-	0.38%	0.38%	-	-	1.15%	1.15%
1,001-3,300	786	-	-	-	-	-	0.54%	0.54%	-	-	1.63%	1.63%
3,301-10,000	92	-	-	-	-	-	0.34%	0.34%	-	-	1.03%	1.03%
10,001-25,000	4	-	-	-	-	-	3.57%	3.57%	-	-	10.71%	10.71%
25,001-50,000	5	-	-	-	-	-	0.00%	0.00%	-	-	0.00%	0.00%
50,001-75,000	-	-	-	-	-	-	0.00%	0.00%	-	-	0.00%	-
75,001-100,000	-	-	-	-	-	-	0.00%	0.00%	-	-	0.00%	-
100,001-500,000	-	-	-	-	-	-	0.00%	0.00%	-	-	0.00%	-
500,001-1 Million	-	-	-	-	-	-	0.00%	0.00%	-	-	0.00%	-
> 1 Million	-	-	-	-	-	-	0.00%	0.00%	-	-	0.00%	-
TOTAL:	16,958											

SURFACE WATER: CWSs

Size Category	Total Systems	Actual Number of B3 Systems	Percent of Systems Under Each Monitoring Scenario									
			1	1	2	2	3a	3a	3aAR	3aAR	3b	3b
			Monitor Only -- only b3s -- (ENTRY POINT)	Monitor Only – only b3s -- (TAP)	Don't Exceed After Treatment (ENTRY POINT)	Don't Exceed After Treatment (TAP)	Exceed After Treatment, Study (Entry Point)	Exceed After Treatment, Study (Tap)	Accel. Reduced Exceed After Treatment, Study (Entry Point)	Accel. Reduced Exceed After Treatment, Study (Tap)	Exceed After Treatment, No Study (Entry Point)	Exceed After Treatment, No Study (Tap)
≤100	970	-	-	-	-	-	0.29%	0.29%	0.00%	0.00%	0.87%	0.87%
101-500	2,092	-	-	-	-	-	0.28%	0.28%	0.00%	0.00%	0.85%	0.85%
501-1,000	1,131	-	-	-	-	-	0.21%	0.21%	0.00%	0.00%	0.63%	0.63%
1,001-3,300	2,497	-	-	-	-	-	0.20%	0.20%	0.00%	0.00%	0.60%	0.60%
3,301-10,000	2,219	-	-	-	-	-	0.19%	0.19%	0.00%	0.00%	0.56%	0.56%
10,001-25,000	1,300	-	-	-	-	-	0.16%	0.16%	0.00%	0.00%	0.49%	0.49%
25,001-50,000	686	-	-	-	-	-	0.17%	0.17%	0.00%	0.00%	0.50%	0.50%
50,001-75,000	256	38	-	-	-	-	0.28%	0.28%	0.00%	0.00%	0.83%	0.01
75,001-100,000	133	16	-	-	-	-	0.14%	0.14%	0.00%	0.00%	0.42%	0.00
100,001-500,000	308	57	-	-	-	-	0.16%	0.16%	0.00%	0.00%	0.48%	0.00
500,001-1 Million	35	3	-	-	-	-	0.42%	0.42%	0.00%	0.00%	1.25%	0.01
> 1 Million	20	2	-	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	-
TOTAL:	11,647											

SURFACE WATER: NTNCWSs

Size Category	Total Systems	Actual Number of B3 Systems	Percent of Systems Under Each Monitoring Scenario									
			1	1	2	2	3a	3a	3aAR	3aAR	3b	3b
			Monitor Only -- only b3s -- (ENTRY POINT)	Monitor Only – only b3s -- (TAP)	Don't Exceed After Treatment (ENTRY POINT)	Don't Exceed After Treatment (TAP)	Exceed After Treatment, Study (Entry Point)	Exceed After Treatment, Study (Tap)	Accel. Reduced Exceed After Treatment, Study (Entry Point)	Accel. Reduced Exceed After Treatment, Study (Tap)	Exceed After Treatment, No Study (Entry Point)	Exceed After Treatment, No Study (Tap)
≤100	314	-	-	-	-	-	0.47%	0.47%	0.00%	0.00%	1.40%	1.40%
101-500	283	-	-	-	-	-	0.47%	0.47%	0.00%	-	1.40%	1.40%
501-1,000	92	-	-	-	-	-	0.38%	0.38%	0.00%	-	1.15%	1.15%
1,001-3,300	88	-	-	-	-	-	0.54%	0.54%	0.00%	-	1.63%	1.63%
3,301-10,000	53	-	-	-	-	-	0.34%	0.34%	0.00%	-	1.03%	1.03%
10,001-25,000	3	-	-	-	-	-	3.57%	3.57%	0.00%	-	10.71%	10.71%
25,001-50,000	3	-	-	-	-	-	0.00%	0.00%	0.00%	-	0.00%	0.00%
50,001-75,000	1	-	-	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	-
75,001-100,000	-	-	-	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	-
100,001-500,000	1	-	-	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	-
500,001-1,000,000	-	-	-	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	-
> 1,000,000	-	-	-	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	-
TOTAL:	839											

Notes: For scenarios in which the system no longer exceeded an action level after treatment (i.e., 1 and 2), it was assumed that by 1999 these systems would no longer be conducting WQP monitoring.

SCENARIO 3a: Exceed After Treatment>>Study Required (Entry Point)

Ground Water Systems

Size Category	Years (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	26	26	26	26	26	26	26	26	26	**234**
101-500	26	26	26	26	26	26	26	26	26	**234**
501-1,000	26	26	26	26	26	26	26	26	26	**234**
1,001-3,300	26	26	26	26	26	26	26	26	26	**234**
3,301-10,000	26	26	26	26	26	26	26	26	26	**234**
10,001-25,000	26	26	26	26	26	26	26	26	26	**234**
25,001-50,000	26	26	26	26	26	26	26	26	26	**234**
50,001-75,000	26	26	26	26	26	26	26	26	26	**234**
75,001-100,000	26	26	26	26	26	26	26	26	26	**234**
100,001-500,000	26	26	26	26	26	26	26	26	26	**234**
500,001-1,000,000	26	26	26	26	26	26	26	26	26	**234**
> 1,000,000	26	26	26	26	26	26	26	26	26	**234**

Surface Water Systems

Size Category	Years (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	26	26	26	26	26	26	26	26	26	**234**
101-500	26	26	26	26	26	26	26	26	26	**234**
501-1,000	26	26	26	26	26	26	26	26	26	**234**
1,001-3,300	26	26	26	26	26	26	26	26	26	**234**
3,301-10,000	26	26	26	26	26	26	26	26	26	**234**
10,001-25,000	26	26	26	26	26	26	26	26	26	**234**
25,001-50,000	26	26	26	26	26	26	26	26	26	**234**
50,001-75,000	26	26	26	26	26	26	26	26	26	**234**
75,001-100,000	26	26	26	26	26	26	26	26	26	**234**
100,001-500,000	26	26	26	26	26	26	26	26	26	**234**
500,001-1,000,000	26	26	26	26	26	26	26	26	26	**234**
> 1,000,000	26	26	26	26	26	26	26	26	26	**234**

SCENARIO 3a: Exceed After Treatment>>Study Required (Tap)

All Systems

Size Category	Years (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	-	2			2		-	2		**6**
101-500	-	2			2		-	2		**6**
501-1,000	-	4			4		-	4		**12**
1,001-3,300	-	4			4		-	4		**12**
3,301-10,000	6	-		6		-	6		-	**18**
10,001-25,000	14	-		14		-	14		-	**42**
25,001-50,000	14	-		14		-	14		-	**42**
50,001-75,000	-	-	14		-	14		-	14	**42**
75,001-100,000	-	-	14		-	14		-	14	**42**
100,001-500,000	-	-	20		-	20		-	20	**60**
500,001-1,000,000	-	-	20		-	20		-	20	**60**
> 1,000,000	-	-	20		-	20		-	20	**60**

SCENARIO 3aAR: Accelerated Reduced Monitoring>>Exceed After Treatment>>Study Required (Entry Point)

Ground Water Systems

Size Category	Years (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	-	-	-	-	-	-	-	-	-	**-**
101-500	-	-	-	-	-	-	-	-	-	**-**
501-1,000	-	-	-	-	-	-	-	-	-	**-**
1,001-3,300	-	-	-	-	-	-	-	-	-	**-**
3,301-10,000	-	-	-	-	-	-	-	-	-	**-**
10,001-25,000	-	-	-	-	-	-	-	-	-	**-**
25,001-50,000	-	-	-	-	-	-	-	-	-	**-**
50,001-75,000	26	26	26	26	26	26	26	26	26	**234**
75,001-100,000	26	26	26	26	26	26	26	26	26	**234**
100,001-500,000	26	26	26	26	26	26	26	26	26	**234**
500,001-1,000,000	26	26	26	26	26	26	26	26	26	**234**
> 1,000,000	26	26	26	26	26	26	26	26	26	**234**

Surface Water Systems

Size Category	Years (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100										**-**
101-500	-	-	-	-	-	-	-	-	-	**-**
501-1,000	-	-	-	-	-	-	-	-	-	**-**
1,001-3,300	-	-	-	-	-	-	-	-	-	**-**
3,301-10,000	-	-	-	-	-	-	-	-	-	**-**
10,001-25,000	-	-	-	-	-	-	-	-	-	**-**
25,001-50,000	-	-	-	-	-	-	-	-	-	**-**
50,001-75,000	26	26	26	26	26	26	26	26	26	**234**
75,001-100,000	26	26	26	26	26	26	26	26	26	**234**
100,001-500,000	26	26	26	26	26	26	26	26	26	**234**
500,001-1,000,000	26	26	26	26	26	26	26	26	26	**234**
> 1,000,000	26	26	26	26	26	26	26	26	26	**234**

SCENARIO 3aAR: Accelerated Reduced Monitoring>>Exceed After Treatment>>Study Required (Tap)

All Systems

Size Category	Years (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	-	-	-	-	-	-	-	-	-	**-**
101-500	-	-	-	-	-	-	-	-	-	**-**
501-1,000	-	-	-	-	-	-	-	-	-	**-**
1,001-3,300	-	-	-	-	-	-	-	-	-	**-**
3,301-10,000	-	-	-	-	-	-	-	-	-	**-**
10,001-25,000	-	-	-	-	-	-	-	-	-	**-**
25,001-50,000	-	-	-	-	-	-	-	-	-	**-**
50,001-75,000	14	-	-	14	-	-	14	-	-	**42**
75,001-100,000	14	-	-	14	-	-	14	-	-	**42**
100,001-500,000	20	-	-	20	-	-	20	-	-	**60**
500,001-1,000,000	20	-	-	20	-	-	20	-	-	**60**
> 1,000,000	20	-	-	20	-	-	20	-	-	**60**

Exhibit 11 - WQP MONITORING: NUMBER OF MONITORING EVENTS PER SYSTEM, PER YEAR

SCENARIO 3a: Exceed After Treatment>>Study Required (Entry Point)

Ground Water Systems

Size Category	Years (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	28	28	28	28	28	28	28	28	28	**255.3**
101-500	32	32	32	32	32	32	32	32	32	**285.5**
501-1,000	41	41	41	41	41	41	41	41	41	**370.2**
1,001-3,300	48	48	48	48	48	48	48	48	48	**434.2**
3,301-10,000	29	29	29	29	29	29	29	29	29	**256.6**
10,001-25,000	46	46	46	46	46	46	46	46	46	**413.5**
25,001-50,000	46	46	46	46	46	46	46	46	46	**413.5**
50,001-75,000	82	82	82	82	82	82	82	82	82	**734.5**
75,001-100,000	82	82	82	82	82	82	82	82	82	**734.5**
100,001-500,000	109	109	109	109	109	109	109	109	109	**979.6**
500,001-1,000,000	109	109	109	109	109	109	109	109	109	**979.6**
> 1,000,000	109	109	109	109	109	109	109	109	109	**979.6**

Surface Water Systems

Size Category	Years (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	28	28	28	28	28	28	28	28	28	**251.5**
101-500	29	29	29	29	29	29	29	29	29	**262.5**
501-1,000	34	34	34	34	34	34	34	34	34	**309.0**
1,001-3,300	33	33	33	33	33	33	33	33	33	**299.7**
3,301-10,000	33	33	33	33	33	33	33	33	33	**295.0**
10,001-25,000	41	41	41	41	41	41	41	41	41	**368.9**
25,001-50,000	41	41	41	41	41	41	41	41	41	**368.9**
50,001-75,000	52	52	52	52	52	52	52	52	52	**463.7**
75,001-100,000	52	52	52	52	52	52	52	52	52	**463.7**
100,001-500,000	86	86	86	86	86	86	86	86	86	**771.9**
500,001-1,000,000	86	86	86	86	86	86	86	86	86	**771.9**
> 1,000,000	86	86	86	86	86	86	86	86	86	**771.9**

SCENARIO 3a: Exceed After Treatment>>Study Required (Tap)

All Systems

Size Category	Years (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	-	2	-	-	2	-	-	2	-	**6**
101-500	-	2	-	-	2	-	-	2	-	**6**
501-1,000	-	4	-	-	4	-	-	4	-	**12**
1,001-3,300	-	4	-	-	4	-	-	4	-	**12**
3,301-10,000	6	-	-	6	-	-	6	-	-	**18**
10,001-25,000	14	-	-	14	-	-	14	-	-	**42**
25,001-50,000	14	-	-	14	-	-	14	-	-	**42**
50,001-75,000	-	-	14	-	-	14	-	-	14	**42**
75,001-100,000	-	-	14	-	-	14	-	-	14	**42**
100,001-500,000	-	-	20	-	-	20	-	-	20	**60**
500,001-1,000,000	-	-	20	-	-	20	-	-	20	**60**
> 1,000,000	-	-	20	-	-	20	-	-	20	**60**

Exhibit 11 - WQP MONITORING: NUMBER OF MONITORING EVENTS PER SYSTEM, PER YEAR (cont.)

SCENARIO 3aAR: Accelerated Reduced Monitoring>>Exceed After Treatment>>Study Required (Entry Point)

Ground Water Systems

Size Category	Years (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	-	-	-	-	-	-	-	-	-	**-**
101-500	-	-	-	-	-	-	-	-	-	**-**
501-1,000	-	-	-	-	-	-	-	-	-	**-**
1,001-3,300	-	-	-	-	-	-	-	-	-	**-**
3,301-10,000	-	-	-	-	-	-	-	-	-	**-**
10,001-25,000	-	-	-	-	-	-	-	-	-	**-**
25,001-50,000	-	-	-	-	-	-	-	-	-	**-**
50,001-75,000	82	82	82	82	82	82	82	82	82	**734.5**
75,001-100,000	82	82	82	82	82	82	82	82	82	**734.5**
100,001-500,000	109	109	109	109	109	109	109	109	109	**979.6**
500,001-1,000,000	109	109	109	109	109	109	109	109	109	**979.6**
> 1,000,000	109	109	109	109	109	109	109	109	109	**979.6**

Surface Water Systems

Size Category	Years (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100										**-**
101-500	-	-	-	-	-	-	-	-	-	**-**
501-1,000	-	-	-	-	-	-	-	-	-	**-**
1,001-3,300	-	-	-	-	-	-	-	-	-	**-**
3,301-10,000	-	-	-	-	-	-	-	-	-	**-**
10,001-25,000	-	-	-	-	-	-	-	-	-	**-**
25,001-50,000	-	-	-	-	-	-	-	-	-	**-**
50,001-75,000	52	52	52	52	52	52	52	52	52	**463.7**
75,001-100,000	52	52	52	52	52	52	52	52	52	**463.7**
100,001-500,000	86	86	86	86	86	86	86	86	86	**771.9**
500,001-1,000,000	86	86	86	86	86	86	86	86	86	**771.9**
> 1,000,000	86	86	86	86	86	86	86	86	86	**771.9**

SCENARIO 3aAR: Accelerated Reduced Monitoring>>Exceed After Treatment>>Study Required (Tap)

All Systems

Size Category	Years (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	-	-	-	-	-	-	-	-	-	**-**
101-500	-	-	-	-	-	-	-	-	-	**-**
501-1,000	-	-	-	-	-	-	-	-	-	**-**
1,001-3,300	-	-	-	-	-	-	-	-	-	**-**
3,301-10,000	-	-	-	-	-	-	-	-	-	**-**
10,001-25,000	-	-	-	-	-	-	-	-	-	**-**
25,001-50,000	-	-	-	-	-	-	-	-	-	**-**
50,001-75,000	14	-	-	14	-	-	14	-	-	**42**
75,001-100,000	14	-	-	14	-	-	14	-	-	**42**
100,001-500,000	20	-	-	20	-	-	20	-	-	**60**
500,001-1,000,000	20	-	-	20	-	-	20	-	-	**60**
> 1,000,000	20	-	-	20	-	-	20	-	-	**60**

SCENARIO 3b: Exceed After Treatment>>No Study Required (Entry Point)

Ground Water Systems

Size Category	Years (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	26	26	26	26	26	26	26	26	26	**234**
101-500	26	26	26	26	26	26	26	26	26	**234**
501-1,000	26	26	26	26	26	26	26	26	26	**234**
1,001-3,300	26	26	26	26	26	26	26	26	26	**234**
3,301-10,000	26	26	26	26	26	26	26	26	26	**234**
10,001-25,000	26	26	26	26	26	26	26	26	26	**234**
25,001-50,000	26	26	26	26	26	26	26	26	26	**234**
50,001-75,000	-	-	-	-	-	-	-	-	-	**-**
75,001-100,000	-	-	-	-	-	-	-	-	-	**-**
100,001-500,000	-	-	-	-	-	-	-	-	-	**-**
500,001-1,000,000	-	-	-	-	-	-	-	-	-	**-**
> 1,000,000	-	-	-	-	-	-	-	-	-	**-**

Surface Water Systems

Size Category	Years (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	26	26	26	26	26	26	26	26	26	**234**
101-500	26	26	26	26	26	26	26	26	26	**234**
501-1,000	26	26	26	26	26	26	26	26	26	**234**
1,001-3,300	26	26	26	26	26	26	26	26	26	**234**
3,301-10,000	26	26	26	26	26	26	26	26	26	**234**
10,001-25,000	26	26	26	26	26	26	26	26	26	**234**
25,001-50,000	26	26	26	26	26	26	26	26	26	**234**
50,001-75,000	-	-	-	-	-	-	-	-	-	**-**
75,001-100,000	-	-	-	-	-	-	-	-	-	**-**
100,001-500,000	-	-	-	-	-	-	-	-	-	**-**
500,001-1,000,000	-	-	-	-	-	-	-	-	-	**-**
> 1,000,000	-	-	-	-	-	-	-	-	-	**-**

SCENARIO 3b: Exceed After Treatment>>No Study Required (Tap)

All Systems

Size Category	Years (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	2	-	-	2	-	-	2	-	-	**6**
101-500	2	-	-	2	-	-	2	-	-	**6**
501-1,000	4	-	-	4	-	-	4	-	-	**12**
1,001-3,300	4	-	-	4	-	-	4	-	-	**12**
3,301-10,000	-	-	6	-	-	6	-	-	6	**18**
10,001-25,000	-	-	14	-	-	14	-	-	14	**42**
25,001-50,000	-	-	14	-	-	14	-	-	14	**42**
50,001-75,000	-	-	-	-	-	-	-	-	-	**-**
75,001-100,000	-	-	-	-	-	-	-	-	-	**-**
100,001-500,000	-	-	-	-	-	-	-	-	-	**-**
500,001-1,000,000	-	-	-	-	-	-	-	-	-	**-**
> 1,000,000	-	-	-	-	-	-	-	-	-	**-**

Exhibit 11 - WQP MONITORING: NUMBER OF MONITORING EVENTS PER SYSTEM, PER YEAR (cont.)

SCENARIO 3b: Exceed After Treatment>>No Study Required (Entry Point)

Ground Water Systems

Size Category	Years (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	28	28	28	28	28	28	28	28	28	**255.3**
101-500	32	32	32	32	32	32	32	32	32	**285.5**
501-1,000	41	41	41	41	41	41	41	41	41	**370.2**
1,001-3,300	48	48	48	48	48	48	48	48	48	**434.2**
3,301-10,000	29	29	29	29	29	29	29	29	29	**256.6**
10,001-25,000	46	46	46	46	46	46	46	46	46	**413.5**
25,001-50,000	46	46	46	46	46	46	46	46	46	**413.5**
50,001-75,000	-	-	-	-	-	-	-	-	-	**-**
75,001-100,000	-	-	-	-	-	-	-	-	-	**-**
100,001-500,000	-	-	-	-	-	-	-	-	-	**-**
500,001-1,000,000	-	-	-	-	-	-	-	-	-	**-**
> 1,000,000	-	-	-	-	-	-	-	-	-	**-**

Surface Water Systems

Size Category	Years (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	28	28	28	28	28	28	28	28	28	**251.5**
101-500	29	29	29	29	29	29	29	29	29	**262.5**
501-1,000	34	34	34	34	34	34	34	34	34	**309.0**
1,001-3,300	33	33	33	33	33	33	33	33	33	**299.7**
3,301-10,000	33	33	33	33	33	33	33	33	33	**295.0**
10,001-25,000	41	41	41	41	41	41	41	41	41	**368.9**
25,001-50,000	41	41	41	41	41	41	41	41	41	**368.9**
50,001-75,000	-	-	-	-	-	-	-	-	-	**-**
75,001-100,000	-	-	-	-	-	-	-	-	-	**-**
100,001-500,000	-	-	-	-	-	-	-	-	-	**-**
500,001-1,000,000	-	-	-	-	-	-	-	-	-	**-**
> 1,000,000	-	-	-	-	-	-	-	-	-	**-**

SCENARIO 3b: Exceed After Treatment>>No Study Required (Tap)

All Systems

Size Category	Years (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	2	-	-	2	-	-	2	-	-	**6**
101-500	2	-	-	2	-	-	2	-	-	**6**
501-1,000	4	-	-	4	-	-	4	-	-	**12**
1,001-3,300	4	-	-	4	-	-	4	-	-	**12**
3,301-10,000	-	-	6	-	-	6	-	-	6	**18**
10,001-25,000	-	-	14	-	-	14	-	-	14	**42**
25,001-50,000	-	-	14	-	-	14	-	-	14	**42**
50,001-75,000	-	-	-	-	-	-	-	-	-	**-**
75,001-100,000	-	-	-	-	-	-	-	-	-	**-**
100,001-500,000	-	-	-	-	-	-	-	-	-	**-**
500,001-1,000,000	-	-	-	-	-	-	-	-	-	**-**
> 1,000,000	-	-	-	-	-	-	-	-	-	**-**

Exhibit 12 - WQP MONITORING - MONITORING, BURDEN, AND COST SUMMARY

SCENARIO 3a: Exceed After Treatment>>Study Required (Entry Point)

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	33	936	936	936	936	936	936	936	936	936	2,808	936	2,574	858	2,527	842	$ 87,428	$ 29,143	$ 98,169	$ 32,723
101-500	38	1,206	1,206	1,206	1,206	1,206	1,206	1,206	1,206	1,206	3,617	1,206	2,964	988	3,255	1,085	$ 112,598	$ 37,533	$ 126,431	$ 42,144
501-1,000	9	370	370	370	370	370	370	370	370	370	1,111	370	702	234	1,000	333	$ 34,576	$ 11,525	$ 38,824	$ 12,941
1,001-3,300	11	531	531	531	531	531	531	531	531	531	1,592	531	858	286	1,433	478	$ 49,564	$ 16,521	$ 55,654	$ 18,551
3,301-10,000	5	143	143	143	143	143	143	143	143	143	428	143	390	130	385	128	$ 13,315	$ 4,438	$ 14,951	$ 4,984
10,001-25,000	2	92	92	92	92	92	92	92	92	92	276	92	156	52	248	83	$ 8,583	$ 2,861	$ 9,637	$ 3,212
25,001-50,000	1	46	46	46	46	46	46	46	46	46	138	46	78	26	124	41	$ 4,291	$ 1,430	$ 4,819	$ 1,606
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	99	3,323	3,323	3,323	3,323	3,323	3,323	3,323	3,323	3,323	9,969	3,323	7,722	2,574	8,972	2,991	$ 310,356	$ 103,452	$ 348,484	$ 116,161

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	39	1,014	1,014	1,014	1,014	1,014	1,014	1,014	1,014	1,014	3,042	1,014	3,042	1,014	2,738	913	$ 94,706	$ 31,569	$ 106,341	$ 35,447
101-500	29	754	754	754	754	754	754	754	754	754	2,262	754	2,262	754	2,036	679	$ 70,422	$ 23,474	$ 79,074	$ 26,358
501-1,000	6	156	156	156	156	156	156	156	156	156	468	156	468	156	421	140	$ 14,570	$ 4,857	$ 16,360	$ 5,453
1,001-3,300	4	104	104	104	104	104	104	104	104	104	312	104	312	104	281	94	$ 9,713	$ 3,238	$ 10,907	$ 3,636
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	78	2,028	2,028	2,028	2,028	2,028	2,028	2,028	2,028	2,028	6,084	2,028	6,084	2,028	5,476	1,825	$ 189,412	$ 63,137	$ 212,682	$ 70,894

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	72	1,950	1,950	1,950	1,950	1,950	1,950	1,950	1,950	1,950	5,850	1,950	5,616	1,872	5,265	1,755	$ 182,134	$ 60,711	$ 204,510	$ 68,170
101-500	67	1,960	1,960	1,960	1,960	1,960	1,960	1,960	1,960	1,960	5,879	1,960	5,226	1,742	5,291	1,764	$ 183,021	$ 61,007	$ 205,505	$ 68,502
501-1,000	15	526	526	526	526	526	526	526	526	526	1,579	526	1,170	390	1,421	474	$ 49,146	$ 16,382	$ 55,184	$ 18,395
1,001-3,300	15	635	635	635	635	635	635	635	635	635	1,904	635	1,170	390	1,714	571	$ 59,278	$ 19,759	$ 66,560	$ 22,187
3,301-10,000	5	143	143	143	143	143	143	143	143	143	428	143	390	130	385	128	$ 13,315	$ 4,438	$ 14,951	$ 4,984
10,001-25,000	2	92	92	92	92	92	92	92	92	92	276	92	156	52	248	83	$ 8,583	$ 2,861	$ 9,637	$ 3,212
25,001-50,000	1	46	46	46	46	46	46	46	46	46	138	46	78	26	124	41	$ 4,291	$ 1,430	$ 4,819	$ 1,606
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	177	5,351	5,351	5,351	5,351	5,351	5,351	5,351	5,351	5,351	16,053	5,351	13,806	4,602	14,447	4,816	$ 499,768	$ 166,589	$ 561,165	$ 187,055

Exhibit 12 - WQP MONITORING - MONITORING, BURDEN, AND COST SUMMARY (cont.)

Scenario 3a: Exceed After Treatment>>Study Required (Entry Point) (cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	3	84	84	84	84	84	84	84	84	84	251	84	234	78	126	42	$ 4,350	$ 1,450	$ 8,792	$ 2,931
101-500	6	175	175	175	175	175	175	175	175	175	525	175	468	156	263	88	$ 9,081	$ 3,027	$ 18,354	$ 6,118
501-1,000	2	69	69	69	69	69	69	69	69	69	206	69	156	52	103	34	$ 3,563	$ 1,188	$ 7,201	$ 2,400
1,001-3,300	5	167	167	167	167	167	167	167	167	167	500	167	390	130	250	83	$ 8,639	$ 2,880	$ 17,462	$ 5,821
3,301-10,000	4	131	131	131	131	131	131	131	131	131	393	131	312	104	197	66	$ 6,803	$ 2,268	$ 13,750	$ 4,583
10,001-25,000	2	82	82	82	82	82	82	82	82	82	246	82	156	52	123	41	$ 4,254	$ 1,418	$ 8,598	$ 2,866
25,001-50,000	1	41	41	41	41	41	41	41	41	41	123	41	78	26	61	20	$ 2,127	$ 709	$ 4,299	$ 1,433
50,001-75,000	1	52	52	52	52	52	52	52	52	52	155	52	78	26	77	26	$ 2,674	$ 891	$ 5,404	$ 1,801
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	24	800	800	800	800	800	800	800	800	800	2,399	800	1,872	624	1,199	400	$ 41,492	$ 13,831	$ 83,860	$ 27,953

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	1	26	26	26	26	26	26	26	26	26	78	26	78	26	39	13	$ 1,349	$ 450	$ 2,727	$ 909
101-500	1	26	26	26	26	26	26	26	26	26	78	26	78	26	39	13	$ 1,349	$ 450	$ 2,727	$ 909
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	2	52	52	52	52	52	52	52	52	52	156	52	156	52	78	26	$ 2,698	$ 899	$ 5,453	$ 1,818

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	4	110	110	110	110	110	110	110	110	110	329	110	312	104	165	55	$ 5,699	$ 1,900	$ 11,518	$ 3,839
101-500	7	201	201	201	201	201	201	201	201	201	603	201	546	182	302	101	$ 10,430	$ 3,477	$ 21,081	$ 7,027
501-1,000	2	69	69	69	69	69	69	69	69	69	206	69	156	52	103	34	$ 3,563	$ 1,188	$ 7,201	$ 2,400
1,001-3,300	5	167	167	167	167	167	167	167	167	167	500	167	390	130	250	83	$ 8,639	$ 2,880	$ 17,462	$ 5,821
3,301-10,000	4	131	131	131	131	131	131	131	131	131	393	131	312	104	197	66	$ 6,803	$ 2,268	$ 13,750	$ 4,583
10,001-25,000	2	82	82	82	82	82	82	82	82	82	246	82	156	52	123	41	$ 4,254	$ 1,418	$ 8,598	$ 2,866
25,001-50,000	1	41	41	41	41	41	41	41	41	41	123	41	78	26	61	20	$ 2,127	$ 709	$ 4,299	$ 1,433
50,001-75,000	1	52	52	52	52	52	52	52	52	52	155	52	78	26	77	26	$ 2,674	$ 891	$ 5,404	$ 1,801
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	26	852	852	852	852	852	852	852	852	852	2,555	852	2,028	676	1,277	426	$ 44,190	$ 14,730	$ 89,313	$ 29,771

SCENARIO 3a: Exceed After Treatment>>Study Required (Tap)

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	33	-	66	-	-	66	-	-	66	-	66	22	66	22	165	55	$ 5,708	$ 1,903	$ 3,692	$ 1,231
101-500	38	-	76	-	-	76	-	-	76	-	76	25	76	25	190	63	$ 6,572	$ 2,191	$ 4,251	$ 1,417
501-1,000	9	-	36	-	-	36	-	-	36	-	36	12	36	12	90	30	$ 3,113	$ 1,038	$ 2,014	$ 671
1,001-3,300	11	-	44	-	-	44	-	-	44	-	44	15	44	15	110	37	$ 3,805	$ 1,268	$ 2,461	$ 820
3,301-10,000	5	30	-	-	30	-	-	30	-	-	30	10	30	10	75	25	$ 2,594	$ 865	$ 1,678	$ 559
10,001-25,000	2	28	-	-	28	-	-	28	-	-	28	9	28	9	70	23	$ 2,421	$ 807	$ 1,566	$ 522
25,001-50,000	1	14	-	-	14	-	-	14	-	-	14	5	14	5	35	12	$ 1,211	$ 404	$ 783	$ 261
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	99	72	222	-	72	222	-	72	222	-	294	98	294	98	735	245	$ 25,425	$ 8,475	$ 16,444	$ 5,481

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	39	-	78	-	-	78	-	-	78	-	78	26	78	26	195	65	$ 6,745	$ 2,248	$ 4,363	$ 1,454
101-500	29	-	58	-	-	58	-	-	58	-	58	19	58	19	145	48	$ 5,016	$ 1,672	$ 3,244	$ 1,081
501-1,000	6	-	24	-	-	24	-	-	24	-	24	8	24	8	60	20	$ 2,076	$ 692	$ 1,342	$ 447
1,001-3,300	4	-	16	-	-	16	-	-	16	-	16	5	16	5	40	13	$ 1,384	$ 461	$ 895	$ 298
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	78	-	176	-	-	176	-	-	176	-	176	59	176	59	440	147	$ 15,220	$ 5,073	$ 9,844	$ 3,281

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	72	-	144	-	-	144	-	-	144	-	144	48	144	48	360	120	$ 12,453	$ 4,151	$ 8,054	$ 2,685
101-500	67	-	134	-	-	134	-	-	134	-	134	45	134	45	335	112	$ 11,588	$ 3,863	$ 7,495	$ 2,498
501-1,000	15	-	60	-	-	60	-	-	60	-	60	20	60	20	150	50	$ 5,189	$ 1,730	$ 3,356	$ 1,119
1,001-3,300	15	-	60	-	-	60	-	-	60	-	60	20	60	20	150	50	$ 5,189	$ 1,730	$ 3,356	$ 1,119
3,301-10,000	5	30	-	-	30	-	-	30	-	-	30	10	30	10	75	25	$ 2,594	$ 865	$ 1,678	$ 559
10,001-25,000	2	28	-	-	28	-	-	28	-	-	28	9	28	9	70	23	$ 2,421	$ 807	$ 1,566	$ 522
25,001-50,000	1	14	-	-	14	-	-	14	-	-	14	5	14	5	35	12	$ 1,211	$ 404	$ 783	$ 261
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	177	72	398	-	72	398	-	72	398	-	470	157	470	157	1,175	392	$ 40,646	$ 13,549	$ 26,288	$ 8,763

Exhibit 12 - WQP MONITORING - MONITORING, BURDEN, AND COST SUMMARY (cont.)

Scenario 3a: Exceed After Treatment>>Study Required (Tap) (cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	3	-	6	-	-	6	-	-	6	-	6	2	6	2	15	5	$ 519	$ 173	$ 336	$ 112
101-500	6	-	12	-	-	12	-	-	12	-	12	4	12	4	30	10	$ 1,038	$ 346	$ 671	$ 224
501-1,000	2	-	8	-	-	8	-	-	8	-	8	3	8	3	20	7	$ 692	$ 231	$ 447	$ 149
1,001-3,300	5	-	20	-	-	20	-	-	20	-	20	7	20	7	50	17	$ 1,730	$ 577	$ 1,119	$ 373
3,301-10,000	4	24	-	-	24	-	-	24	-	-	24	8	24	8	60	20	$ 2,076	$ 692	$ 1,342	$ 447
10,001-25,000	2	28	-	-	28	-	-	28	-	-	28	9	28	9	70	23	$ 2,421	$ 807	$ 1,566	$ 522
25,001-50,000	1	14	-	-	14	-	-	14	-	-	14	5	14	5	35	12	$ 1,211	$ 404	$ 783	$ 261
50,001-75,000	1	-	-	14	-	-	14	-	-	14	14	5	14	5	35	12	$ 1,211	$ 404	$ 783	$ 261
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	24	66	46	14	66	46	14	66	46	14	126	42	126	42	315	105	$ 10,896	$ 3,632	$ 7,047	$ 2,349

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	1	-	2	-	-	2	-	-	2	-	2	1	2	1	5	2	$ 173	$ 58	$ 112	$ 37
101-500	1	-	2	-	-	2	-	-	2	-	2	1	2	1	5	2	$ 173	$ 58	$ 112	$ 37
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	2	-	4	-	-	4	-	-	4	-	4	1	4	1	10	3	$ 346	$ 115	$ 224	$ 75

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	4	-	8	-	-	8	-	-	8	-	8	3	8	3	20	7	$ 692	$ 231	$ 447	$ 149
101-500	7	-	14	-	-	14	-	-	14	-	14	5	14	5	35	12	$ 1,211	$ 404	$ 783	$ 261
501-1,000	2	-	8	-	-	8	-	-	8	-	8	3	8	3	20	7	$ 692	$ 231	$ 447	$ 149
1,001-3,300	5	-	20	-	-	20	-	-	20	-	20	7	20	7	50	17	$ 1,730	$ 577	$ 1,119	$ 373
3,301-10,000	4	24	-	-	24	-	-	24	-	-	24	8	24	8	60	20	$ 2,076	$ 692	$ 1,342	$ 447
10,001-25,000	2	28	-	-	28	-	-	28	-	-	28	9	28	9	70	23	$ 2,421	$ 807	$ 1,566	$ 522
25,001-50,000	1	14	-	-	14	-	-	14	-	-	14	5	14	5	35	12	$ 1,211	$ 404	$ 783	$ 261
50,001-75,000	1	-	-	14	-	-	14	-	-	14	14	5	14	5	35	12	$ 1,211	$ 404	$ 783	$ 261
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	26	66	50	14	66	50	14	66	50	14	130	43	130	43	325	108	$ 11,242	$ 3,747	$ 7,271	$ 2,424

Exhibit 12 - WQP MONITORING - MONITORING, BURDEN, AND COST SUMMARY (cont.)

SCENARIO 3aAR: Accelerated Reduced Monitoring>>Exceed After Treatment>>Study Required (Entry Point)

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

Exhibit 12 - WQP MONITORING - MONITORING, BURDEN, AND COST SUMMARY (cont.)

Scenario 3AR: Accelerated Reduction Monitoring>>Exceed After Treatment>>Study Required (Entry Point) (cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

Exhibit 12 - WQP MONITORING - MONITORING, BURDEN, AND COST SUMMARY (cont.)

SCENARIO 3aAR: Accelerated Reduced Monitoring>>Exceed After Treatment>>Study Required (Tap)

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

Exhibit 12 - WQP MONITORING - MONITORING, BURDEN, AND COST SUMMARY (cont.)

Scenario 3AR: Accelerated Reduction Monitoring>>Exceed After Treatment>>Study Required (Tap) (cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

SCENARIO 3b: Exceed After Treatment>>No Study Required (Entry Point)

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	98	2,780	2,780	2,780	2,780	2,780	2,780	2,780	2,780	2,780	8,340	2,780	7,644	2,548	7,506	2,502	$ 259,635	$ 86,545	$ 291,531	$ 97,177
101-500	114	3,617	3,617	3,617	3,617	3,617	3,617	3,617	3,617	3,617	10,850	3,617	8,892	2,964	9,765	3,255	$ 337,795	$ 112,598	$ 379,294	$ 126,431
501-1,000	27	1,111	1,111	1,111	1,111	1,111	1,111	1,111	1,111	1,111	3,332	1,111	2,106	702	2,999	1,000	$ 103,727	$ 34,576	$ 116,471	$ 38,824
1,001-3,300	34	1,640	1,640	1,640	1,640	1,640	1,640	1,640	1,640	1,640	4,921	1,640	2,652	884	4,429	1,476	$ 153,199	$ 51,066	$ 172,020	$ 57,340
3,301-10,000	15	428	428	428	428	428	428	428	428	428	1,283	428	1,170	390	1,155	385	$ 39,945	$ 13,315	$ 44,852	$ 14,951
10,001-25,000	5	230	230	230	230	230	230	230	230	230	689	230	390	130	620	207	$ 21,457	$ 7,152	$ 24,093	$ 8,031
25,001-50,000	2	92	92	92	92	92	92	92	92	92	276	92	156	52	248	83	$ 8,583	$ 2,861	$ 9,637	$ 3,212
50,001-75,000	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	296	9,897	9,897	9,897	9,897	9,897	9,897	9,897	9,897	9,897	29,690	9,897	23,010	7,670	26,721	8,907	$ 924,341	$ 308,114	$ -	$ 345,966

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	116	3,016	3,016	3,016	3,016	3,016	3,016	3,016	3,016	3,016	9,048	3,016	9,048	3,016	8,143	2,714	$ 281,690	$ 93,897	$ 316,296	$ 105,432
101-500	87	2,262	2,262	2,262	2,262	2,262	2,262	2,262	2,262	2,262	6,786	2,262	6,786	2,262	6,107	2,036	$ 211,267	$ 70,422	$ 237,222	$ 79,074
501-1,000	18	468	468	468	468	468	468	468	468	468	1,404	468	1,404	468	1,264	421	$ 43,710	$ 14,570	$ 49,080	$ 16,360
1,001-3,300	13	338	338	338	338	338	338	338	338	338	1,014	338	1,014	338	913	304	$ 31,569	$ 10,523	$ 35,447	$ 11,816
3,301-10,000	1	26	26	26	26	26	26	26	26	26	78	26	78	26	70	23	$ 2,428	$ 809	$ 2,727	$ 909
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	235	6,110	6,110	6,110	6,110	6,110	6,110	6,110	6,110	6,110	18,330	6,110	18,330	6,110	16,497	5,499	$ 570,664	$ 190,221	$ 640,772	$ 213,591

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	214	5,796	5,796	5,796	5,796	5,796	5,796	5,796	5,796	5,796	17,388	5,796	16,692	5,564	15,649	5,216	$ 541,324	$ 180,441	$ 607,827	$ 202,609
101-500	201	5,879	5,879	5,879	5,879	5,879	5,879	5,879	5,879	5,879	17,636	5,879	15,678	5,226	15,873	5,291	$ 549,062	$ 183,021	$ 616,515	$ 205,505
501-1,000	45	1,579	1,579	1,579	1,579	1,579	1,579	1,579	1,579	1,579	4,736	1,579	3,510	1,170	4,262	1,421	$ 147,438	$ 49,146	$ 165,551	$ 55,184
1,001-3,300	47	1,978	1,978	1,978	1,978	1,978	1,978	1,978	1,978	1,978	5,935	1,978	3,666	1,222	5,341	1,780	$ 184,768	$ 61,589	$ 207,467	$ 69,156
3,301-10,000	16	454	454	454	454	454	454	454	454	454	1,361	454	1,248	416	1,225	408	$ 42,373	$ 14,124	$ 47,579	$ 15,860
10,001-25,000	5	230	230	230	230	230	230	230	230	230	689	230	390	130	620	207	$ 21,457	$ 7,152	$ 24,093	$ 8,031
25,001-50,000	2	92	92	92	92	92	92	92	92	92	276	92	156	52	248	83	$ 8,583	$ 2,861	$ 9,637	$ 3,212
50,001-75,000	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	531	16,007	16,007	16,007	16,007	16,007	16,007	16,007	16,007	16,007	48,020	16,007	41,340	13,780	43,218	14,406	$ 1,495,005	$ 498,335	$ 1,678,670	$ 559,557

Exhibit 12 - WQP MONITORING - MONITORING, BURDEN, AND COST SUMMARY (cont.)

SCENARIO 3b: Exceed After Treatment>>No Study Required (Entry Point) (cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	8	224	224	224	224	224	224	224	224	224	671	224	624	208	335	112	$ 11,600	$ 3,867	$ 23,445	$ 7,815
101-500	18	525	525	525	525	525	525	525	525	525	1,575	525	1,404	468	788	263	$ 27,244	$ 9,081	$ 55,063	$ 18,354
501-1,000	7	240	240	240	240	240	240	240	240	240	721	240	546	182	361	120	$ 12,470	$ 4,157	$ 25,204	$ 8,401
1,001-3,300	15	500	500	500	500	500	500	500	500	500	1,499	500	1,170	390	749	250	$ 25,918	$ 8,639	$ 52,385	$ 17,462
3,301-10,000	12	393	393	393	393	393	393	393	393	393	1,180	393	936	312	590	197	$ 20,409	$ 6,803	$ 41,250	$ 13,750
10,001-25,000	6	246	246	246	246	246	246	246	246	246	738	246	468	156	369	123	$ 12,763	$ 4,254	$ 25,795	$ 8,598
25,001-50,000	3	123	123	123	123	123	123	123	123	123	369	123	234	78	184	61	$ 6,381	$ 2,127	$ 12,897	$ 4,299
50,001-75,000	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	73	2,251	2,251	2,251	2,251	2,251	2,251	2,251	2,251	2,251	6,752	2,251	5,382	1,794	3,376	1,125	$ 116,785	$ 38,928	$ 236,039	$ 78,680

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	4	104	104	104	104	104	104	104	104	104	312	104	312	104	156	52	$ 5,396	$ 1,799	$ 10,907	$ 3,636
101-500	4	104	104	104	104	104	104	104	104	104	312	104	312	104	156	52	$ 5,396	$ 1,799	$ 10,907	$ 3,636
501-1,000	1	26	26	26	26	26	26	26	26	26	78	26	78	26	39	13	$ 1,349	$ 450	$ 2,727	$ 909
1,001-3,300	1	26	26	26	26	26	26	26	26	26	78	26	78	26	39	13	$ 1,349	$ 450	$ 2,727	$ 909
3,301-10,000	1	26	26	26	26	26	26	26	26	26	78	26	78	26	39	13	$ 1,349	$ 450	$ 2,727	$ 909
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	11	286	286	286	286	286	286	286	286	286	858	286	858	286	429	143	$ 14,840	$ 4,947	$ 29,994	$ 9,998

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	12	328	328	328	328	328	328	328	328	328	983	328	936	312	491	164	$ 16,996	$ 5,665	$ 34,351	$ 11,450
101-500	22	629	629	629	629	629	629	629	629	629	1,887	629	1,716	572	944	315	$ 32,640	$ 10,880	$ 65,970	$ 21,990
501-1,000	8	266	266	266	266	266	266	266	266	266	799	266	624	208	400	133	$ 13,820	$ 4,607	$ 27,931	$ 9,310
1,001-3,300	16	526	526	526	526	526	526	526	526	526	1,577	526	1,248	416	788	263	$ 27,268	$ 9,089	$ 55,111	$ 18,370
3,301-10,000	13	419	419	419	419	419	419	419	419	419	1,258	419	1,014	338	629	210	$ 21,759	$ 7,253	$ 43,977	$ 14,659
10,001-25,000	6	246	246	246	246	246	246	246	246	246	738	246	468	156	369	123	$ 12,763	$ 4,254	$ 25,795	$ 8,598
25,001-50,000	3	123	123	123	123	123	123	123	123	123	369	123	234	78	184	61	$ 6,381	$ 2,127	$ 12,897	$ 4,299
50,001-75,000	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	84	2,537	2,537	2,537	2,537	2,537	2,537	2,537	2,537	2,537	7,610	2,537	6,240	2,080	3,805	1,268	$ 131,625	$ 43,875	$ 266,033	$ 88,678

SCENARIO 3b: Exceed After Treatment>>No Study Required (Tap)

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	98	196	-	-	196	-	-	196	-	-	196	65	196	65	490	163	$ 16,950	$ 5,650	$ 10,963	$ 3,654
101-500	114	228	-	-	228	-	-	228	-	-	228	76	228	76	570	190	$ 19,717	$ 6,572	$ 12,753	$ 4,251
501-1,000	27	108	-	-	108	-	-	108	-	-	108	36	108	36	270	90	$ 9,340	$ 3,113	$ 6,041	$ 2,014
1,001-3,300	34	136	-	-	136	-	-	136	-	-	136	45	136	45	340	113	$ 11,761	$ 3,920	$ 7,607	$ 2,536
3,301-10,000	15	-	-	90	-	-	90	-	-	90	90	30	90	30	225	75	$ 7,783	$ 2,594	$ 5,034	$ 1,678
10,001-25,000	5	-	-	70	-	-	70	-	-	70	70	23	70	23	175	58	$ 6,054	$ 2,018	$ 3,915	$ 1,305
25,001-50,000	2	-	-	28	-	-	28	-	-	28	28	9	28	9	70	23	$ 2,421	$ 807	$ 1,566	$ 522
50,001-75,000	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	296	668	-	188	668	-	188	668	-	188	856	285	856	285	2,140	713	$ 74,027	$ 24,676	$ 47,878	$ 15,959

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	116	232	-	-	232	-	-	232	-	-	232	77	232	77	580	193	$ 20,063	$ 6,688	$ 12,976	$ 4,325
101-500	87	174	-	-	174	-	-	174	-	-	174	58	174	58	435	145	$ 15,048	$ 5,016	$ 9,732	$ 3,244
501-1,000	18	72	-	-	72	-	-	72	-	-	72	24	72	24	180	60	$ 6,227	$ 2,076	$ 4,027	$ 1,342
1,001-3,300	13	52	-	-	52	-	-	52	-	-	52	17	52	17	130	43	$ 4,497	$ 1,499	$ 2,908	$ 969
3,301-10,000	1	-	-	6	-	-	6	-	-	6	6	2	6	2	15	5	$ 519	$ 173	$ 336	$ 112
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	235	530	-	6	530	-	6	530	-	6	536	179	536	179	1,340	447	$ 46,353	$ 15,451	$ 29,980	$ 9,993

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	214	428	-	-	428	-	-	428	-	-	428	143	428	143	1,070	357	$ 37,013	$ 12,338	$ 23,939	$ 7,980
101-500	201	402	-	-	402	-	-	402	-	-	402	134	402	134	1,005	335	$ 34,765	$ 11,588	$ 22,485	$ 7,495
501-1,000	45	180	-	-	180	-	-	180	-	-	180	60	180	60	450	150	$ 15,566	$ 5,189	$ 10,068	$ 3,356
1,001-3,300	47	188	-	-	188	-	-	188	-	-	188	63	188	63	470	157	$ 16,258	$ 5,419	$ 10,515	$ 3,505
3,301-10,000	16	-	-	96	-	-	96	-	-	96	96	32	96	32	240	80	$ 8,302	$ 2,767	$ 5,369	$ 1,790
10,001-25,000	5	-	-	70	-	-	70	-	-	70	70	23	70	23	175	58	$ 6,054	$ 2,018	$ 3,915	$ 1,305
25,001-50,000	2	-	-	28	-	-	28	-	-	28	28	9	28	9	70	23	$ 2,421	$ 807	$ 1,566	$ 522
50,001-75,000	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	531	1,198	-	194	1,198	-	194	1,198	-	194	1,392	464	1,392	464	3,480	1,160	$ 120,380	$ 40,127	$ 77,857	$ 25,952

Exhibit 12 - WQP MONITORING - MONITORING, BURDEN, AND COST SUMMARY (cont.)

SCENARIO 3b: Exceed After Treatment>>No Study Required (Tap) (cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	8	16	-	-	16	-	-	16	-	-	16	5	16	5	40	13	$ 1,384	$ 461	$ 895	$ 298
101-500	18	36	-	-	36	-	-	36	-	-	36	12	36	12	90	30	$ 3,113	$ 1,038	$ 2,014	$ 671
501-1,000	7	28	-	-	28	-	-	28	-	-	28	9	28	9	70	23	$ 2,421	$ 807	$ 1,566	$ 522
1,001-3,300	15	60	-	-	60	-	-	60	-	-	60	20	60	20	150	50	$ 5,189	$ 1,730	$ 3,356	$ 1,119
3,301-10,000	12	-	-	72	-	-	72	-	-	72	72	24	72	24	180	60	$ 6,227	$ 2,076	$ 4,027	$ 1,342
10,001-25,000	6	-	-	84	-	-	84	-	-	84	84	28	84	28	210	70	$ 7,264	$ 2,421	$ 4,698	$ 1,566
25,001-50,000	3	-	-	42	-	-	42	-	-	42	42	14	42	14	105	35	$ 3,632	$ 1,211	$ 2,349	$ 783
50,001-75,000	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	73	140	-	198	140	-	198	140	-	198	338	113	338	113	845	282	$ 29,230	$ 9,743	$ 18,905	$ 6,302

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	4	8	-	-	8	-	-	8	-	-	8	3	8	3	20	7	$ 692	$ 231	$ 447	$ 149
101-500	4	8	-	-	8	-	-	8	-	-	8	3	8	3	20	7	$ 692	$ 231	$ 447	$ 149
501-1,000	1	4	-	-	4	-	-	4	-	-	4	1	4	1	10	3	$ 346	$ 115	$ 224	$ 75
1,001-3,300	1	4	-	-	4	-	-	4	-	-	4	1	4	1	10	3	$ 346	$ 115	$ 224	$ 75
3,301-10,000	1	-	-	6	-	-	6	-	-	6	6	2	6	2	15	5	$ 519	$ 173	$ 336	$ 112
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	11	24	-	6	24	-	6	24	-	6	30	10	30	10	75	25	$ 2,594	$ 865	$ 1,678	$ 559

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	12	24	-	-	24	-	-	24	-	-	24	8	24	8	60	20	$ 2,076	$ 692	$ 1,342	$ 447
101-500	22	44	-	-	44	-	-	44	-	-	44	15	44	15	110	37	$ 3,805	$ 1,268	$ 2,461	$ 820
501-1,000	8	32	-	-	32	-	-	32	-	-	32	11	32	11	80	27	$ 2,767	$ 922	$ 1,790	$ 597
1,001-3,300	16	64	-	-	64	-	-	64	-	-	64	21	64	21	160	53	$ 5,535	$ 1,845	$ 3,580	$ 1,193
3,301-10,000	13	-	-	78	-	-	78	-	-	78	78	26	78	26	195	65	$ 6,745	$ 2,248	$ 4,363	$ 1,454
10,001-25,000	6	-	-	84	-	-	84	-	-	84	84	28	84	28	210	70	$ 7,264	$ 2,421	$ 4,698	$ 1,566
25,001-50,000	3	-	-	42	-	-	42	-	-	42	42	14	42	14	105	35	$ 3,632	$ 1,211	$ 2,349	$ 783
50,001-75,000	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	84	164	-	204	164	-	204	164	-	204	368	123	368	123	920	307	$ 31,825	$ 10,608	$ 20,583	$ 6,861

Exhibit 12 - WQP MONITORING - MONITORING, BURDEN, AND COST SUMMARY (cont.)

Summary - All Sample Types and Scenarios

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	262	3,912	3,782	3,716	3,912	3,782	3,716	3,912	3,782	3,716	11,410	3,803	10,480	3,493	10,688	3,563	$ 369,721	$ 123,240	$ 404,354	$ 134,785
101-500	304	5,050	4,898	4,822	5,050	4,898	4,822	5,050	4,898	4,822	14,771	4,924	12,160	4,053	13,780	4,593	$ 476,683	$ 158,894	$ 522,728	$ 174,243
501-1,000	72	1,589	1,517	1,481	1,589	1,517	1,481	1,589	1,517	1,481	4,586	1,529	2,952	984	4,358	1,453	$ 150,756	$ 50,252	$ 163,348	$ 54,449
1,001-3,300	90	2,307	2,215	2,171	2,307	2,215	2,171	2,307	2,215	2,171	6,693	2,231	3,690	1,230	6,312	2,104	$ 218,330	$ 72,777	$ 237,741	$ 79,247
3,301-10,000	40	600	570	660	600	570	660	600	570	660	1,831	610	1,680	560	1,840	613	$ 63,637	$ 21,212	$ 66,515	$ 22,172
10,001-25,000	14	350	322	392	350	322	392	350	322	392	1,063	354	644	215	1,113	371	$ 38,515	$ 12,838	$ 39,212	$ 13,071
25,001-50,000	6	152	138	166	152	138	166	152	138	166	456	152	276	92	477	159	$ 16,506	$ 5,502	$ 16,805	$ 5,602
50,001-75,000	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	790	13,960	13,442	13,408	13,960	13,442	13,408	13,960	13,442	13,408	40,809	13,603	31,882	10,627	38,568	12,856	$ 1,334,148	$ 444,716	$ 1,450,703	$ 483,568

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	310	4,262	4,108	4,030	4,262	4,108	4,030	4,262	4,108	4,030	12,400	4,133	12,400	4,133	11,656	3,885	$ 403,204	$ 134,401	$ 439,976	$ 146,659
101-500	232	3,190	3,074	3,016	3,190	3,074	3,016	3,190	3,074	3,016	9,280	3,093	9,280	3,093	8,723	2,908	$ 301,753	$ 100,584	$ 329,272	$ 109,757
501-1,000	48	696	648	624	696	648	624	696	648	624	1,968	656	1,968	656	1,925	642	$ 66,583	$ 22,194	$ 70,810	$ 23,603
1,001-3,300	34	494	458	442	494	458	442	494	458	442	1,394	465	1,394	465	1,363	454	$ 47,163	$ 15,721	$ 50,157	$ 16,719
3,301-10,000	2	26	26	32	26	26	32	26	26	32	84	28	84	28	85	28	$ 2,947	$ 982	$ 3,062	$ 1,021
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	626	8,668	8,314	8,144	8,668	8,314	8,144	8,668	8,314	8,144	25,126	8,375	25,126	8,375	23,753	7,918	$ 821,650	$ 273,883	$ 893,277	$ 297,759

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	572	8,174	7,890	7,746	8,174	7,890	7,746	8,174	7,890	7,746	23,810	7,937	22,880	7,627	22,344	7,448	$ 772,925	$ 257,642	$ 844,330	$ 281,443
101-500	536	8,240	7,972	7,838	8,240	7,972	7,838	8,240	7,972	7,838	24,051	8,017	21,440	7,147	22,503	7,501	$ 778,436	$ 259,479	$ 852,000	$ 284,000
501-1,000	120	2,285	2,165	2,105	2,285	2,165	2,105	2,285	2,165	2,105	6,554	2,185	4,920	1,640	6,283	2,094	$ 217,339	$ 72,446	$ 234,158	$ 78,053
1,001-3,300	124	2,801	2,673	2,613	2,801	2,673	2,613	2,801	2,673	2,613	8,087	2,696	5,084	1,695	7,675	2,558	$ 265,493	$ 88,498	$ 287,898	$ 95,966
3,301-10,000	42	626	596	692	626	596	692	626	596	692	1,915	638	1,764	588	1,925	642	$ 66,585	$ 22,195	$ 69,577	$ 23,192
10,001-25,000	14	350	322	392	350	322	392	350	322	392	1,063	354	644	215	1,113	371	$ 38,515	$ 12,838	$ 39,212	$ 13,071
25,001-50,000	6	152	138	166	152	138	166	152	138	166	456	152	276	92	477	159	$ 16,506	$ 5,502	$ 16,805	$ 5,602
50,001-75,000	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	1,416	22,628	21,756	21,552	22,628	21,756	21,552	22,628	21,756	21,552	65,935	21,978	57,008	19,003	62,321	20,774	$ 2,155,798	$ 718,599	$ 2,343,980	$ 781,327

Exhibit 12 - WQP MONITORING - MONITORING, BURDEN, AND COST SUMMARY (cont.)

Summary - All Sample Types and Scenarios (cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	22	323	313	307	323	313	307	323	313	307	944	315	880	293	516	172	$ 17,852	$ 5,951	$ 33,467	$ 11,156
101-500	48	736	712	700	736	712	700	736	712	700	2,148	716	1,920	640	1,170	390	$ 40,476	$ 13,492	$ 76,102	$ 25,367
501-1,000	18	337	317	309	337	317	309	337	317	309	963	321	738	246	554	185	$ 19,147	$ 6,382	$ 34,419	$ 11,473
1,001-3,300	40	726	686	666	726	686	666	726	686	666	2,078	693	1,640	547	1,199	400	$ 41,476	$ 13,825	$ 74,321	$ 24,774
3,301-10,000	32	548	524	596	548	524	596	548	524	596	1,669	556	1,344	448	1,027	342	$ 35,515	$ 11,838	$ 60,370	$ 20,123
10,001-25,000	16	356	328	412	356	328	412	356	328	412	1,096	365	736	245	772	257	$ 26,702	$ 8,901	$ 40,657	$ 13,552
25,001-50,000	8	178	164	206	178	164	206	178	164	206	548	183	368	123	386	129	$ 13,351	$ 4,450	$ 20,329	$ 6,776
50,001-75,000	6	52	52	66	52	52	66	52	52	66	169	56	92	31	112	37	$ 3,884	$ 1,295	$ 6,187	$ 2,062
75,001-100,000	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	194	3256	3096	3,262	3,256	3,096	3,262	3,256	3,096	3,262	9,615	3,205	7,718	2,573	5,736	1,912	$ 198,404	$ 66,135	$ 345,852	$ 115,284

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	10	138	132	130	138	132	130	138	132	130	400	133	400	133	220	73	$ 7,610	$ 2,537	$ 14,193	$ 4,731
101-500	10	138	132	130	138	132	130	138	132	130	400	133	400	133	220	73	$ 7,610	$ 2,537	$ 14,193	$ 4,731
501-1,000	2	30	26	26	30	26	26	30	26	26	82	27	82	27	49	16	$ 1,695	$ 565	$ 2,950	$ 983
1,001-3,300	2	30	26	26	30	26	26	30	26	26	82	27	82	27	49	16	$ 1,695	$ 565	$ 2,950	$ 983
3,301-10,000	2	26	26	32	26	26	32	26	26	32	84	28	84	28	54	18	$ 1,868	$ 623	$ 3,062	$ 1,021
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	26	362	342	344	362	342	344	362	342	344	1,048	349	1,048	349	592	197	$ 20,478	$ 6,826	$ 37,349	$ 12,450

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	32	461	445	437	461	445	437	461	445	437	1,344	448	1,280	427	736	245	$ 25,462	$ 8,487	$ 47,660	$ 15,887
101-500	58	874	844	830	874	844	830	874	844	830	2,548	849	2,320	773	1,390	463	$ 48,086	$ 16,029	$ 90,295	$ 30,098
501-1,000	20	367	343	335	367	343	335	367	343	335	1,045	348	820	273	603	201	$ 20,842	$ 6,947	$ 37,370	$ 12,457
1,001-3,300	42	756	712	692	756	712	692	756	712	692	2,160	720	1,722	574	1,248	416	$ 43,171	$ 14,390	$ 77,271	$ 25,757
3,301-10,000	34	574	550	628	574	550	628	574	550	628	1,753	584	1,428	476	1,081	360	$ 37,383	$ 12,461	$ 63,432	$ 21,144
10,001-25,000	16	356	328	412	356	328	412	356	328	412	1,096	365	736	245	772	257	$ 26,702	$ 8,901	$ 40,657	$ 13,552
25,001-50,000	8	178	164	206	178	164	206	178	164	206	548	183	368	123	386	129	$ 13,351	$ 4,450	$ 20,329	$ 6,776
50,001-75,000	6	52	52	66	52	52	66	52	52	66	169	56	92	31	112	37	$ 3,884	$ 1,295	$ 6,187	$ 2,062
75,001-100,000	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	220	3,618	3,438	3,606	3,618	3,438	3,606	3,618	3,438	3,606	10,663	3,554	8,766	2,922	6,328	2,109	$ 218,882	$ 72,961	$ 383,200	$ 127,733

Exhibit 12 - WQP MONITORING - MONITORING, BURDEN, AND COST SUMMARY (cont.)

Summary - All Sample Types and Scenarios (cont.)

ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	604	8,635	8,335	8,183	8,635	8,335	8,183	8,635	8,335	8,183	25,154	8,385	24,160	8,053	23,080	7,693	$ 798,387	$ 266,129	$ 891,990	$ 297,330
101-500	594	9,114	8,816	8,668	9,114	8,816	8,668	9,114	8,816	8,668	26,599	8,866	23,760	7,920	23,893	7,964	$ 826,522	$ 275,507	$ 942,295	$ 314,098
501-1,000	140	2,652	2,508	2,440	2,652	2,508	2,440	2,652	2,508	2,440	7,599	2,533	5,740	1,913	6,885	2,295	$ 238,181	$ 79,394	$ 271,528	$ 90,509
1,001-3,300	166	3,557	3,385	3,305	3,557	3,385	3,305	3,557	3,385	3,305	10,247	3,416	6,806	2,269	8,923	2,974	$ 308,664	$ 102,888	$ 365,170	$ 121,723
3,301-10,000	76	1,201	1,147	1,321	1,201	1,147	1,321	1,201	1,147	1,321	3,668	1,223	3,192	1,064	3,006	1,002	$ 103,967	$ 34,656	$ 133,009	$ 44,336
10,001-25,000	30	706	650	804	706	650	804	706	650	804	2,159	720	1,380	460	1,885	628	$ 65,217	$ 21,739	$ 79,869	$ 26,623
25,001-50,000	14	330	302	372	330	302	372	330	302	372	1,003	334	644	215	863	288	$ 29,858	$ 9,953	$ 37,134	$ 12,378
50,001-75,000	8	52	52	66	52	52	66	52	52	66	169	56	92	31	112	37	$ 3,884	$ 1,295	$ 6,187	$ 2,062
75,001-100,000	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	1,636	26,246	25,194	25,158	26,246	25,194	25,158	26,246	25,194	25,158	76,598	25,533	65,774	21,925	68,648	22,883	$ 2,374,681	$ 791,560	$ 2,727,181	$ 909,060

Exhibit 13 - SOURCE WATER MONITORING FOR LEAD & COPPER - SYSTEM INVENTORY

Source: SDWIS/FED Data from October 2014

GROUND WATER: CWSs

Size Category	Total Systems
≤100	11,212
101-500	13,403
501-1,000	4,320
1,001-3,300	5,566
3,301-10,000	2,724
10,001-25,000	989
25,001-50,000	355
50,001-75,000	106
75,001-100,000	44
100,001-500,000	58
500,001-1,000,000	5
> 1,000,000	2
TOTAL:	38,784

SURFACE WATER: CWSs

Size Category	Total Systems
≤100	970
101-500	2,092
501-1,000	1,131
1,001-3,300	2,497
3,301-10,000	2,219
10,001-25,000	1,300
25,001-50,000	686
50,001-75,000	256
75,001-100,000	133
100,001-500,000	308
500,001-1,000,000	35
> 1,000,000	20
TOTAL:	11,647

GROUND WATER: NTNCWSs

Size Category	Total Systems
≤100	8,279
101-500	6,254
501-1,000	1,539
1,001-3,300	786
3,301-10,000	92
10,001-25,000	4
25,001-50,000	5
50,001-75,000	0
75,001-100,000	0
100,001-500,000	0
500,001-1,000,000	0
> 1,000,000	0
TOTAL:	16,958

SURFACE WATER: NTNCWSs

Size Category	Total Systems
≤100	314
101-500	283
501-1,000	92
1,001-3,300	88
3,301-10,000	53
10,001-25,000	3
25,001-50,000	3
50,001-75,000	1
75,001-100,000	0
100,001-500,000	1
500,001-1,000,000	0
> 1,000,000	0
TOTAL:	839

GROUND WATER: ALL SYSTEMS

Size Category	Total Systems
≤100	19,491
101-500	19,657
501-1,000	5,859
1,001-3,300	6,352
3,301-10,000	2,816
10,001-25,000	993
25,001-50,000	360
50,001-75,000	106
75,001-100,000	44
100,001-500,000	58
500,001-1,000,000	5
> 1,000,000	2
TOTAL:	55,743

SURFACE WATER: ALL SYSTEMS

Size Category	Total Systems
≤100	1,284
101-500	2,375
501-1,000	1,223
1,001-3,300	2,585
3,301-10,000	2,272
10,001-25,000	1,303
25,001-50,000	689
50,001-75,000	257
75,001-100,000	133
100,001-500,000	309
500,001-1,000,000	35
> 1,000,000	20
TOTAL:	12,485

Exhibit 14 - SOURCE WATER MONITORING FOR LEAD & COPPER - LABOR RATES

State Labor Rate	$45.60

System Labor Rates	
≤100	$34.59
101-500	$34.59
501-1,000	$34.59
1,001-3,300	$34.59
3,301-10,000	$34.59
10,001-25,000	$34.59
25,001-50,000	$34.59
50,001-75,000	$34.59
75,001-100,000	$34.59
100,001-500,000	$34.59
500,001-1,000,000	$34.59
> 1,000,000	$34.59

PWS Labor Rate

Base (Hourly)	$21.62	2013$	National Occupational Employment and Wage Estimates, United States, BLS SOC Code 51-8031, "Local Government - Water and Liquid Waste Treatment Plant and System Operators". May 2013 data (published in April 2014). http://www.bls.gov/oes/2013/may/oes518031.htm
Load Factor	1.6		
Inflation Factor	1.0	1	ECI New
Total	$34.59	1	ECI Base

State Labor Rate

Base (Hourly)	$28.50	2013$	National Occupational Employment and Wage Estimates, United States, BLS SOC Code 19-2041, "State Government - Environmental Scientists and Specialists, Including Health". May 2013 data (published in April 2014). http://www.bls.gov/oes/2013/may/oes192041.htm
Load Factor	1.6		
Inflation Factor	1.0	1	ECI New
Total	$45.60	1	ECI Base

Sampling Cost Inflation Factor

Inflation Factor	1.40	233.0	CPI All Urban Consumers (CPI-U): U.S. City Average, by Expenditure Category and Commodity and Service Group. All urban consumers, All items, Not seasonally adjusted. 2013 Annual Average.
		166.6	CPI-U Base Year

Exhibit 15 - SOURCE WATER MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST ASSUMPTIONS

GROUND WATER: CWSs

Size Category	Total Systems	Avg. # of Entry Pts. (Samples)	Avg. # of Samples per Mon. Event (Composited)	Average Labor Hrs. for Collection (Per Sample)	Average Labor Hrs. for Analysis (Per Sample)	Labor Rate For Collection & Analysis	Average O&M Cost Per Sample	Total Average Labor Cost Per Mon. Event	Total Average O&M Cost Per Mon. Event
≤100	11,212	1.1	1.1	0.5	1.0	$ 34.59	$ 7.36	$ 56.47	$ 8.01
101-500	13,403	1.2	1.2	0.5	1.0	$ 34.59	$ 7.36	$ 62.97	$ 8.93
501-1,000	4,320	1.6	1.6	0.5	1.0	$ 34.59	$ 7.36	$ 81.18	$ 11.51
1,001-3,300	5,566	1.9	1.8	0.5	1.0	$ 34.59	$ 7.36	$ 94.95	$ 13.46
3,301-10,000	2,724	2.2	2.2	0.5	1.0	$ 34.59	$ 7.36	$ 111.95	$ 15.87
10,001-25,000	989	3.5	3.4	0.5	1.0	$ 34.59	$ 7.36	$ 178.99	$ 25.38
25,001-50,000	355	3.5	3.4	0.5	1.0	$ 34.59	$ 7.36	$ 178.99	$ 25.38
50,001-75,000	106	9.4	9.2	0.5	1.0	$ 34.59	$ 7.36	$ 476.86	$ 67.61
75,001-100,000	44	9.4	9.2	0.5	1.0	$ 34.59	$ 7.36	$ 476.86	$ 67.61
100,001-500,000	58	12.6	12.3	0.5	1.0	$ 34.59	$ 7.36	$ 636.02	$ 90.18
500,001-1 Million	5	12.6	12.3	0.5	1.0	$ 34.59	$ 7.36	$ 636.02	$ 90.18
> 1 Million	2	12.6	12.3	0.5	1.0	$ 34.59	$ 7.36	$ 636.02	$ 90.18
TOTAL:	38,784								

GROUND WATER: NTNCWSs

Size Category	Total Systems	Avg. # of Entry Pts. (Samples)	Avg. # of Samples per Mon. Event (Composited)	Average Labor Hrs. for Collection (Per Sample)	Average Labor Hrs. for Analysis (Per Sample)	Labor Rate For Collection & Analysis	Average O&M Cost Per Sample	Total Average Labor Cost Per Mon. Event	Total Average O&M Cost Per Mon. Event
≤100	8,279	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
101-500	6,254	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
501-1,000	1,539	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
1,001-3,300	786	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
3,301-10,000	92	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
10,001-25,000	4	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
25,001-50,000	5	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
50,001-75,000	-	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
75,001-100,000	-	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
100,001-500,000	-	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
500,001-1 Million	-	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
> 1 Million	-	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
TOTAL:	16,958								

GROUND WATER: ALL SYSTEMS

Size Category	Total Systems	Avg. # of Entry Pts. (Samples)	Avg. # of Samples per Mon. Event (Composited)	Average Labor Hrs. for Collection (Per Sample)	Average Labor Hrs. for Analysis (Per Sample)	Labor Rate For Collection & Analysis	Average O&M Cost Per Sample	Total Average Labor Cost Per Mon. Event	Total Average O&M Cost Per Mon. Event
≤100	19,491	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
101-500	19,657	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
501-1,000	5,859	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
1,001-3,300	6,352	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
3,301-10,000	2,816	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
10,001-25,000	993	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
25,001-50,000	360	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
50,001-75,000	106	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
75,001-100,000	44	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
100,001-500,000	58	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
500,001-1 Million	5	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
> 1 Million	2	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
TOTAL:	55,743								

Exhibit 15 - SOURCE WATER MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST ASSUMPTIONS (cont.)

SURFACE WATER: CWSs

Size Category	Total Systems	Avg. # of Entry Pts. (Samples)	Avg. # of Samples per Mon. Event (Composited)	Average Labor Hrs. for Collection (Per Sample)	Average Labor Hrs. for Analysis (Per Sample)	Labor Rate For Collection & Analysis	Average O&M Cost Per Sample	Total Average Labor Cost Per Mon. Event	Total Average O&M Cost Per Mon. Event
≤100	970	1.1	1.1	0.5	1.0	$ 34.59	$ 7.36	$ 55.65	$ 7.89
101-500	2,092	1.1	1.1	0.5	1.0	$ 34.59	$ 7.36	$ 58.02	$ 8.23
501-1,000	1,131	1.3	1.3	0.5	1.0	$ 34.59	$ 7.36	$ 68.02	$ 9.64
1,001-3,300	2,497	1.3	1.3	0.5	1.0	$ 34.59	$ 7.36	$ 66.02	$ 9.36
3,301-10,000	2,219	1.3	1.3	0.5	1.0	$ 34.59	$ 7.36	$ 65.01	$ 9.22
10,001-25,000	1,300	1.6	1.6	0.5	1.0	$ 34.59	$ 7.36	$ 80.91	$ 11.47
25,001-50,000	686	1.6	1.6	0.5	1.0	$ 34.59	$ 7.36	$ 80.91	$ 11.47
50,001-75,000	256	2.0	2.0	0.5	1.0	$ 34.59	$ 7.36	$ 101.30	$ 14.36
75,001-100,000	133	2.0	2.0	0.5	1.0	$ 34.59	$ 7.36	$ 101.30	$ 14.36
100,001-500,000	308	3.3	3.2	0.5	1.0	$ 34.59	$ 7.36	$ 167.59	$ 23.76
500,001-1,000,000	35	3.3	3.2	0.5	1.0	$ 34.59	$ 7.36	$ 167.59	$ 23.76
> 1,000,000	20	3.3	3.2	0.5	1.0	$ 34.59	$ 7.36	$ 167.59	$ 23.76
TOTAL:	11,647								

SURFACE WATER: NTNCWSs

Size Category	Total Systems	Avg. # of Entry Pts. (Samples)	Avg. # of Samples per Mon. Event (Composited)	Average Labor Hrs. for Collection (Per Sample)	Average Labor Hrs. for Analysis (Per Sample)	Labor Rate For Collection & Analysis	Average O&M Cost Per Sample	Total Average Labor Cost Per Mon. Event	Total Average O&M Cost Per Mon. Event
≤100	314	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
101-500	283	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
501-1,000	92	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
1,001-3,300	88	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
3,301-10,000	53	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
10,001-25,000	3	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
25,001-50,000	3	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
50,001-75,000	1	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
75,001-100,000	-	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
100,001-500,000	1	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
500,001-1,000,000	-	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
> 1,000,000	-	1.0	1.0	0.5	1.0	$ 34.59	$ 7.36	$ 51.89	$ 7.36
TOTAL:	839								

SURFACE WATER: ALL SYSTEMS

Size Category	Total Systems	Avg. # of Entry Pts. (Samples)	Avg. # of Samples per Mon. Event (Composited)	Average Labor Hrs. for Collection (Per Sample)	Average Labor Hrs. for Analysis (Per Sample)	Labor Rate For Collection & Analysis	Average O&M Cost Per Sample	Total Average Labor Cost Per Mon. Event	Total Average O&M Cost Per Mon. Event
≤100	1,284	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
101-500	2,375	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
501-1,000	1,223	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
1,001-3,300	2,585	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
3,301-10,000	2,272	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
10,001-25,000	1,303	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
25,001-50,000	689	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
50,001-75,000	257	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
75,001-100,000	133	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
100,001-500,000	309	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
500,001-1,000,000	35	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
> 1,000,000	20	varies	varies	0.5	1.0	$ 34.59	$ 7.36	varies	varies
TOTAL:	12,485								

Notes: Number of composited samples per monitoring event based on the assumption that 3% of systems will composite, with a maximum of 5 samples per composited sample.

O&M Costs per sample updated from the 1999 ICR using the CPI-U index for 2013.

Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 16 - SOURCE WATER MONITORING FOR LEAD & COPPER - MONITORING SCENARIO ALLOCATION

GROUND WATER: CWSs

Size Category	Total Systems	Actual Number of B3 Systems	Percent of Systems Under Each Monitoring Scenario						
			1b	2a	2b	2c	3a	3b	3c
			B3 Systems	>AL, No SOWT, >AL after treatment	>AL, No SOWT, Study, <AL after treatment	>AL, No SOWT, No Study, <AL after treatment	>AL, SOWT, >AL after treatment	>AL, SOWT, Study, <AL after treatment	>AL, SOWT, No Study, <AL after treatment
≤100	11,212	0	-	1.12%	-	-	0.04%	-	-
101-500	13,403	0	-	1.10%	-	-	0.04%	-	-
501-1,000	4,320	0	-	0.82%	-	-	0.03%	-	-
1,001-3,300	5,566	0	-	0.78%	-	-	0.03%	-	-
3,301-10,000	2,724	0	-	0.72%	-	-	0.02%	-	-
10,001-25,000	989	0	-	0.63%	-	-	0.02%	-	-
25,001-50,000	355	0	-	0.65%	-	-	0.02%	-	-
50,001-75,000	106	22	20.75%	1.07%	-	-	0.04%	-	-
75,001-100,000	44	10	22.73%	0.55%	-	-	0.02%	-	-
500,001-1,000,00	58	22	37.93%	0.62%	-	-	0.02%	-	-
> 1,000,000	5	1	20.00%	1.61%	-	-	0.06%	-	-
> 1 Million	2	0	-	0.00%	-	-	0.00%	-	-
TOTAL:	38,784								

GROUND WATER: NTNCWSs

Size Category	Total Systems	Actual Number of B3 Systems	Percent of Systems Under Each Monitoring Scenario						
			1b	2a	2b	2c	3a	3b	3c
			B3 Systems	>AL, No SOWT, >AL after treatment	>AL, No SOWT, Study, <AL after treatment	>AL, No SOWT, No Study, <AL after treatment	>AL, SOWT, >AL after treatment	>AL, SOWT, Study, <AL after treatment	>AL, SOWT, No Study, <AL after treatment
≤100	8,279	0	-	1.81%	-	-	0.06%	-	-
101-500	6,254	0	-	1.80%	-	-	0.06%	-	-
501-1,000	1,539	0	-	1.48%	-	-	0.05%	-	-
1,001-3,300	786	0	-	2.10%	-	-	0.07%	-	-
3,301-10,000	92	0	-	1.33%	-	-	0.05%	-	-
10,001-25,000	4	0	-	13.81%	-	-	0.47%	-	-
25,001-50,000	5	0	-	0.00%	-	-	0.00%	-	-
50,001-75,000	-	0	-	0.00%	-	-	0.00%	-	-
75,001-100,000	-	0	-	0.00%	-	-	0.00%	-	-
100,001-500,000	-	0	-	0.00%	-	-	0.00%	-	-
500,001-1,000,00	-	0	-	0.00%	-	-	0.00%	-	-
> 1,000,000	-	0	-	0.00%	-	-	0.00%	-	-
TOTAL:	16,958								

SURFACE WATER: CWSs

Size Category	Total Systems	Actual Number of B3 Systems	Percent of Systems Under Each Monitoring Scenario						
			1b	2a	2b	2c	3a	3b	3c
			B3 Systems	>AL, No SOWT, >AL after treatment	>AL, No SOWT, Study, <AL after treatment	>AL, No SOWT, No Study, <AL after treatment	>AL, SOWT, >AL after treatment	>AL, SOWT, Study, <AL after treatment	>AL, SOWT, No Study, <AL after treatment
≤100	970	0	-	1.12%	-	-	0.04%	-	-
101-500	2,092	0	-	1.10%	-	-	0.04%	-	-
501-1,000	1,131	0	-	0.82%	-	-	0.03%	-	-
1,001-3,300	2,497	0	-	0.78%	-	-	0.03%	-	-
3,301-10,000	2,219	0	-	0.72%	-	-	0.02%	-	-
10,001-25,000	1,300	0	-	0.63%	-	-	0.02%	-	-
25,001-50,000	686	0	-	0.65%	-	-	0.02%	-	-
50,001-75,000	256	38	14.84%	1.07%	-	-	0.04%	-	-
75,001-100,000	133	16	12.03%	0.55%	-	-	0.02%	-	-
100,001-500,000	308	57	18.51%	0.62%	-	-	0.02%	-	-
500,001-1,000,00	35	3	8.57%	1.61%	-	-	0.06%	-	-
> 1,000,000	20	2	10.00%	0.00%	-	-	0.00%	-	-
TOTAL:	11,647								

SURFACE WATER: NTNCWSs

Size Category	Total Systems	Actual Number of B3 Systems	Percent of Systems Under Each Monitoring Scenario						
			1b	2a	2b	2c	3a	3b	3c
			B3 Systems	>AL, No SOWT, >AL after treatment	>AL, No SOWT, Study, <AL after treatment	>AL, No SOWT, No Study, <AL after treatment	>AL, SOWT, >AL after treatment	>AL, SOWT, Study, <AL after treatment	>AL, SOWT, No Study, <AL after treatment
≤100	314	0	-	1.81%	-	-	0.06%	-	-
101-500	283	0	-	1.80%	-	-	0.06%	-	-
501-1,000	92	0	-	1.48%	-	-	0.05%	-	-
1,001-3,300	88	0	-	2.10%	-	-	0.07%	-	-
3,301-10,000	53	0	-	1.33%	-	-	0.05%	-	-
10,001-25,000	3	0	-	13.81%	-	-	0.47%	-	-
25,001-50,000	3	0	-	0.00%	-	-	0.00%	-	-
50,001-75,000	1	0	-	0.00%	-	-	0.00%	-	-
75,001-100,000	-	0	-	0.00%	-	-	0.00%	-	-
100,001-500,000	1	0	-	0.00%	-	-	0.00%	-	-
500,001-1,000,00	-	0	-	0.00%	-	-	0.00%	-	-
> 1,000,000	-	0	-	0.00%	-	-	0.00%	-	-
TOTAL:	839								

Notes: Only (b)(3) systems and those systems exceeding the lead or copper action level are subject to source water monitoring requirements.

For scenarios in which the system no longer exceeded an action level after treatment (i.e., 2b, 2c, 3b, and 3c), it was assumed that by 1999 these systems would no longer be conducting source water monitoring for lead and copper.

Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 17 - SOURCE WATER MONITORING FOR LEAD & COPPER : Number of Monitoring Events, per System, per Year

Scenario 1b: Systems

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	-	-	-	-	-	-	-	-	-	-
101-500	-	-	-	-	-	-	-	-	-	-
501-1,000	-	-	-	-	-	-	-	-	-	-
1,001-3,300	-	-	-	-	-	-	-	-	-	-
3,301-10,000	-	-	-	-	-	-	-	-	-	-
10,001-25,000	-	-	-	-	-	-	-	-	-	-
25,001-50,000	-	-	-	-	-	-	-	-	-	-
50,001-75,000	-	1	-	-	1	-	-	1	-	**3**
75,001-100,000	-	1	-	-	1	-	-	1	-	**3**
100,001-500,000	-	1	-	-	1	-	-	1	-	**3**
500,001-1,000,000	-	1	-	-	1	-	-	1	-	**3**
> 1,000,000	-	1	-	-	1	-	-	1	-	**3**

Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	-	-	-	-	-	-	-	-	-	-
101-500	-	-	-	-	-	-	-	-	-	-
501-1,000	-	-	-	-	-	-	-	-	-	-
1,001-3,300	-	-	-	-	-	-	-	-	-	-
3,301-10,000	-	-	-	-	-	-	-	-	-	-
10,001-25,000	-	-	-	-	-	-	-	-	-	-
25,001-50,000	-	-	-	-	-	-	-	-	-	-
50,001-75,000	-	1	-	-	1	-	-	1	-	**3**
75,001-100,000	-	1	-	-	1	-	-	1	-	**3**
100,001-500,000	-	1	-	-	1	-	-	1	-	**3**
500,001-1,000,000	-	1	-	-	1	-	-	1	-	**3**
> 1,000,000	-	1	-	-	1	-	-	1	-	**3**

Exhibit 17 (continued) - Scenario 2a: Exceed Action Level>>Not Required to Install Source Water Treatment>>Continue to Exceed Action Level

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	-	-	-	-	-	-	-	-	-	-
101-500	-	-	-	-	-	-	-	-	-	-
501-1,000	-	-	-	-	-	-	-	-	-	-
1,001-3,300	-	-	-	-	-	-	-	-	-	-
3,301-10,000	-	-	-	-	1	-	-	-	-	1
10,001-25,000	-	-	-	-	1	-	-	-	-	1
25,001-50,000	-	-	-	-	1	-	-	-	-	1
50,001-75,000	-	-	-	1	-	-	-	-	-	1
75,001-100,000	-	-	-	1	-	-	-	-	-	1
100,001-500,000	-	-	-	1	-	-	-	-	-	1
500,001-1,000,000	-	-	-	1	-	-	-	-	-	1
> 1,000,000	-	-	-	1	-	-	-	-	-	1

Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	1	-	-	-	-	-	-	-	-	1
101-500	1	-	-	-	-	-	-	-	-	1
501-1,000	1	-	-	-	-	-	-	-	-	1
1,001-3,300	1	-	-	-	-	-	-	-	-	1
3,301-10,000	1	-	-	-	-	-	-	-	-	1
10,001-25,000	1	-	-	-	-	-	-	-	-	1
25,001-50,000	1	-	-	-	-	-	-	-	-	1
50,001-75,000	1	-	-	-	-	-	-	-	-	1
75,001-100,000	1	-	-	-	-	-	-	-	-	1
100,001-500,000	1	-	-	-	-	-	-	-	-	1
500,001-1,000,000	1	-	-	-	-	-	-	-	-	1
> 1,000,000	1	-	-	-	-	-	-	-	-	1

Exhibit 17 - SOURCE WATER MONITORING FOR LEAD & COPPER : Number of Monitoring Events, per System, per Year (cont.)

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	-	-	-	-	-	-	1	-	-	**1**
101-500	-	-	-	-	-	-	1	-	-	**1**
501-1,000	-	-	-	-	-	-	1	-	-	**1**
1,001-3,300	-	-	-	-	-	-	1	-	-	**1**
3,301-10,000	-	-	-	-	-	1	-	-	-	**1**
10,001-25,000	-	-	-	-	-	1	-	-	-	**1**
25,001-50,000	-	-	-	-	-	1	-	-	-	**1**
50,001-75,000	-	-	-	-	-	1	-	-	-	**1**
75,001-100,000	-	-	-	-	-	1	-	-	-	**1**
100,001-500,000	-	-	-	-	-	1	-	-	-	**1**
500,001-1,000,000	-	-	-	-	-	1	-	-	-	**1**
> 1,000,000	-	-	-	-	-	1	-	-	-	**1**

Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	-	-	-	-	-	-	-	-	-	**-**
101-500	-	-	-	-	-	-	-	-	-	**-**
501-1,000	-	-	-	-	-	-	-	-	-	**-**
1,001-3,300	-	-	-	-	-	-	-	-	-	**-**
3,301-10,000	-	-	-	-	-	-	-	-	1	**1**
10,001-25,000	-	-	-	-	-	-	-	-	1	**1**
25,001-50,000	-	-	-	-	-	-	-	-	1	**1**
50,001-75,000	-	-	-	-	-	-	-	-	-	**-**
75,001-100,000	-	-	-	-	-	-	-	-	-	**-**
100,001-500,000	-	-	-	-	-	-	-	-	-	**-**
500,001-1,000,000	-	-	-	-	-	-	-	-	-	**-**
> 1,000,000	-	-	-	-	-	-	-	-	-	**-**

Exhibit 18 - Source Water Monitoring: Number of Samples per System, per Year

Scenario 1b: Systems

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	-	-	-	-	-	-	-	-	-	**-**
101-500	-	-	-	-	-	-	-	-	-	**-**
501-1,000	-	-	-	-	-	-	-	-	-	**-**
1,001-3,300	-	-	-	-	-	-	-	-	-	**-**
3,301-10,000	-	-	-	-	-	-	-	-	-	**-**
10,001-25,000	-	-	-	-	-	-	-	-	-	**-**
25,001-50,000	-	-	-	-	-	-	-	-	-	**-**
50,001-75,000	-	9.2	-	-	9.2	-	-	9.2	-	**27.6**
75,001-100,000	-	9.2	-	-	9.2	-	-	9.2	-	**27.6**
100,001-500,000	-	12.3	-	-	12.3	-	-	12.3	-	**36.8**
500,001-1,000,00	-	12.3	-	-	12.3	-	-	12.3	-	**36.8**
> 1,000,000	-	12.3	-	-	12.3	-	-	12.3	-	**36.8**

Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	-	-	-	-	-	-	-	-	-	**-**
101-500	-	-	-	-	-	-	-	-	-	**-**
501-1,000	-	-	-	-	-	-	-	-	-	**-**
1,001-3,300	-	-	-	-	-	-	-	-	-	**-**
3,301-10,000	-	-	-	-	-	-	-	-	-	**-**
10,001-25,000	-	-	-	-	-	-	-	-	-	**-**
25,001-50,000	-	-	-	-	-	-	-	-	-	**-**
50,001-75,000	-	2.0	-	-	2.0	-	-	2.0	-	**5.9**
75,001-100,000	-	2.0	-	-	2.0	-	-	2.0	-	**5.9**
100,001-500,000	-	3.2	-	-	3.2	-	-	3.2	-	**9.7**
500,001-1,000,00	-	3.2	-	-	3.2	-	-	3.2	-	**9.7**
> 1,000,000	-	3.2	-	-	3.2	-	-	3.2	-	**9.7**

Exhibit 18 (continued) - Scenario 2a: Exceed Action Level>>Not Required to Install Source Water Treatment>>Continue to Exceed Action Level

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	-	-	-	-	-	-	-	-	-	**-**
101-500	-	-	-	-	-	-	-	-	-	**-**
501-1,000	-	-	-	-	-	-	-	-	-	**-**
1,001-3,300	-	-	-	-	-	-	-	-	-	**-**
3,301-10,000	-	-	-	-	2.2	-	-	-	-	**2.2**
10,001-25,000	-	-	-	-	3.4	-	-	-	-	**3.4**
25,001-50,000	-	-	-	-	3.4	-	-	-	-	**3.4**
50,001-75,000	-	-	-	9.2	-	-	-	-	-	**9.2**
75,001-100,000	-	-	-	9.2	-	-	-	-	-	**9.2**
100,001-500,000	-	-	-	12.3	-	-	-	-	-	**12.3**
500,001-1,000,00	-	-	-	12.3	-	-	-	-	-	**12.3**
> 1,000,000	-	-	-	12.3	-	-	-	-	-	**12.3**

Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	1.1	-	-	-	-	-	-	-	-	**1.1**
101-500	1.1	-	-	-	-	-	-	-	-	**1.1**
501-1,000	1.3	-	-	-	-	-	-	-	-	**1.3**
1,001-3,300	1.3	-	-	-	-	-	-	-	-	**1.3**
3,301-10,000	1.3	-	-	-	-	-	-	-	-	**1.3**
10,001-25,000	1.6	-	-	-	-	-	-	-	-	**1.6**
25,001-50,000	1.6	-	-	-	-	-	-	-	-	**1.6**
50,001-75,000	2.0	-	-	-	-	-	-	-	-	**2.0**
75,001-100,000	2.0	-	-	-	-	-	-	-	-	**2.0**
100,001-500,000	3.2	-	-	-	-	-	-	-	-	**3.2**
500,001-1,000,00	3.2	-	-	-	-	-	-	-	-	**3.2**
> 1,000,000	3.2	-	-	-	-	-	-	-	-	**3.2**

Exhibit 18 - Source Water Monitoring: Number of Samples per System, per Year (cont.)

Ground Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	-	-	-	-	-	-	1.1	-	-	**1.1**
101-500	-	-	-	-	-	-	1.2	-	-	**1.2**
501-1,000	-	-	-	-	-	-	1.6	-	-	**1.6**
1,001-3,300	-	-	-	-	-	-	1.8	-	-	**1.8**
3,301-10,000	-	-	-	-	-	2.2	-	-	-	**2.2**
10,001-25,000	-	-	-	-	-	3.4	-	-	-	**3.4**
25,001-50,000	-	-	-	-	-	3.4	-	-	-	**3.4**
50,001-75,000	-	-	-	-	-	9.2	-	-	-	**9.2**
75,001-100,000	-	-	-	-	-	9.2	-	-	-	**9.2**
100,001-500,000	-	-	-	-	-	12.3	-	-	-	**12.3**
500,001-1,000,00	-	-	-	-	-	12.3	-	-	-	**12.3**
> 1,000,000	-	-	-	-	-	12.3	-	-	-	**12.3**

Surface Water Systems										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	-	-	-	-	-	-	-	-	-	**-**
101-500	-	-	-	-	-	-	-	-	-	**-**
501-1,000	-	-	-	-	-	-	-	-	-	**-**
1,001-3,300	-	-	-	-	-	-	-	-	-	**-**
3,301-10,000	-	-	-	-	-	-	-	-	1.3	**1.3**
10,001-25,000	-	-	-	-	-	-	-	-	1.6	**1.6**
25,001-50,000	-	-	-	-	-	-	-	-	1.6	**1.6**
50,001-75,000	-	-	-	-	-	-	-	-	-	**-**
75,001-100,000	-	-	-	-	-	-	-	-	-	**-**
100,001-500,000	-	-	-	-	-	-	-	-	-	**-**
500,001-1,000,00	-	-	-	-	-	-	-	-	-	**-**
> 1,000,000	-	-	-	-	-	-	-	-	-	**-**

Exhibit 19 - SOURCE WATER MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY

Scenario 1b: Systems

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	22	-	202	-	-	202	-	-	202	-	202	67	22	7	303	101	$ 10,491	$ 3,497	$ 1,487	$ 496
75,001-100,000	10	-	92	-	-	92	-	-	92	-	92	31	10	3	138	46	$ 4,769	$ 1,590	$ 676	$ 225
100,001-500,000	22	-	270	-	-	270	-	-	270	-	270	90	22	7	404	135	$ 13,992	$ 4,664	$ 1,984	$ 661
500,001-1,000,000	1	-	12	-	-	12	-	-	12	-	12	4	1	0	18	6	$ 636	$ 212	$ 90	$ 30
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	55	-	576	-	-	576	-	-	576	-	576	192	55	18	864	288	$ 29,888	$ 9,963	$ 4,238	$ 1,413

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	22	-	202	-	-	202	-	-	202	-	202	67	22	7	303	101	$ 10,491	$ 3,497	$ 1,487	$ 496
75,001-100,000	10	-	92	-	-	92	-	-	92	-	92	31	10	3	138	46	$ 4,769	$ 1,590	$ 676	$ 225
100,001-500,000	22	-	270	-	-	270	-	-	270	-	270	90	22	7	404	135	$ 13,992	$ 4,664	$ 1,984	$ 661
500,001-1,000,000	1	-	12	-	-	12	-	-	12	-	12	4	1	0	18	6	$ 636	$ 212	$ 90	$ 30
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	55	-	576	-	-	576	-	-	576	-	576	192	55	18	864	288	$ 29,888	$ 9,963	$ 4,238	$ 1,413

Exhibit 19 - SOURCE WATER MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY (cont.)

Scenario 1b: Systems (cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	38	-	74	-	-	74	-	-	74	-	74	25	38	13	111	37	$ 3,850	$ 1,283	$ 546	$ 182
75,001-100,000	16	-	31	-	-	31	-	-	31	-	31	10	16	5	47	16	$ 1,621	$ 540	$ 230	$ 77
100,001-500,000	57	-	184	-	-	184	-	-	184	-	184	61	57	19	276	92	$ 9,553	$ 3,184	$ 1,354	$ 451
500,001-1,000,000	3	-	10	-	-	10	-	-	10	-	10	3	3	1	15	5	$ 503	$ 168	$ 71	$ 24
> 1,000,000	2	-	6	-	-	6	-	-	6	-	6	2	2	1	10	3	$ 335	$ 112	$ 48	$ 16
Total	116	-	306	-	-	306	-	-	306	-	306	102	116	39	459	153	$ 15,861	$ 5,287	$ 2,249	$ 750

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	38	-	74	-	-	74	-	-	74	-	74	25	38	13	111	37	$ 3,850	$ 1,283	$ 546	$ 182
75,001-100,000	16	-	31	-	-	31	-	-	31	-	31	10	16	5	47	16	$ 1,621	$ 540	$ 230	$ 77
100,001-500,000	57	-	184	-	-	184	-	-	184	-	184	61	57	19	276	92	$ 9,553	$ 3,184	$ 1,354	$ 451
500,001-1,000,000	3	-	10	-	-	10	-	-	10	-	10	3	3	1	15	5	$ 503	$ 168	$ 71	$ 24
> 1,000,000	2	-	6	-	-	6	-	-	6	-	6	2	2	1	10	3	$ 335	$ 112	$ 48	$ 16
Total	116	-	306	-	-	306	-	-	306	-	306	102	116	39	459	153	$ 15,861	$ 5,287	$ 2,249	$ 750

Exhibit 19 - SOURCE WATER MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY (cont.)

Scenario 2a: Exceed Action Level>>Not Required to Install Source Water Treatment>>Continue to Exceed Action Level

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	20	-	-	-	-	43	-	-	-	-	43	14	20	7	65	22	$ 2,239	$ 746	$ 317	$ 106
10,001-25,000	6	-	-	-	-	21	-	-	-	-	21	7	6	2	31	10	$ 1,074	$ 358	$ 152	$ 51
25,001-50,000	2	-	-	-	-	7	-	-	-	-	7	2	2	1	10	3	$ 358	$ 119	$ 51	$ 17
50,001-75,000	1	-	-	-	9	-	-	-	-	-	9	3	1	0	14	5	$ 477	$ 159	$ 68	$ 23
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	380	-	-	-	9	71	-	-	-	-	71	27	29	10	120	40	$ 4,148	$ 1,383	$ 588	$ 196

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	1	-	1	-	-	1	-	-	-	-	1	0	1	0	2	1	$ 52	$ 17	$ 7	$ 2
10,001-25,000	1	-	1	-	-	1	-	-	-	-	1	0	1	0	2	1	$ 52	$ 17	$ 7	$ 2
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	305	-	2	-	-	2	-	-	-	-	2	1	2	1	3	1	$ 104	$ 35	$ 15	$ 5

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018): Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	276	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	21	-	1	-	-	44	-	-	-	-	44	15	21	7	66	22	$ 2,291	$ 764	$ 325	$ 108
10,001-25,000	7	-	1	-	-	22	-	-	-	-	22	7	7	2	33	11	$ 1,126	$ 375	$ 160	$ 53
25,001-50,000	2	-	-	-	-	7	-	-	-	-	7	2	2	1	10	3	$ 358	$ 119	$ 51	$ 17
50,001-75,000	1	-	-	-	9	-	-	-	-	-	9	3	1	0	14	5	$ 477	$ 159	$ 68	$ 23
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	685	-	2	-	9	73	-	-	-	-	73	27	31	10	123	41	$ 4,251	$ 1,417	$ 603	$ 201

Exhibit 19 - SOURCE WATER MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY (cont.)

Scenario 2a: Exceed Action Level>>Not Required to Install Source Water Treatment>>Continue to Exceed Action Level (cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	11	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	23	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	9	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	19	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	16	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	8	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	3	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	97	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	15	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	17	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	28	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	10	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	21	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	17	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	8	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	3	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	112	145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	4	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	5	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	1	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	12	-	-	-	-	-	2	14	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	5	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	4	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	11	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	9	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	9	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	2	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	2	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	1	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	23	-	-	-	-	-	2	25	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

Exhibit 19 - SOURCE WATER MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY (cont.

Scenario 3a: Exceed Action Level>>Required to Install Source Water Treatment>>Continue to Exceed Action Level (cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	3	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	$ -	$ -	$ -	$ -

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	3	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	$ -	$ -	$ -	$ -

Summary - All Scenarios

GROUND WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	130	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	152	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	36	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	44	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	21	-	-	-	-	43	2	-	-	-	43	14	20	7	65	22	$ 2,239	$ 746	$ 317	$ 106
10,001-25,000	6	-	-	-	-	21	-	-	-	-	21	7	6	2	31	10	$ 1,074	$ 358	$ 152	$ 51
25,001-50,000	2	-	-	-	-	7	-	-	-	-	7	2	2	1	10	3	$ 358	$ 119	$ 51	$ 17
50,001-75,000	23	-	202	-	9	202	-	-	202	-	211	70	23	8	317	106	$ 10,968	$ 3,656	$ 1,555	$ 518
75,001-100,000	10	-	92	-	-	92	-	-	92	-	92	31	10	3	138	46	$ 4,769	$ 1,590	$ 676	$ 225
100,001-500,000	22	-	270	-	-	270	-	-	270	-	270	90	22	7	404	135	$ 13,992	$ 4,664	$ 1,984	$ 661
500,001-1,000,000	1	-	12	-	-	12	-	-	12	-	12	4	1	0	18	6	$ 636	$ 212	$ 90	$ 30
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	447	-	576	-	9	647	2	14	576	-	656	219	84	28	984	328	$ 34,036	$ 11,345	$ 4,826	$ 1,609

GROUND WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	155	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	117	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	24	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	18	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	1	-	1	-	-	1	-	-	-	-	1	0	1	0	2	1	$ 52	$ 17	$ 7	$ 2
10,001-25,000	1	-	1	-	-	1	-	-	-	-	1	0	1	0	2	1	$ 52	$ 17	$ 7	$ 2
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	316	-	2	-	-	2	-	11	-	-	2	1	2	1	3	1	$ 104	$ 35	$ 15	$ 5

GROUND WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	285	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	269	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	60	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	62	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	22	-	1	-	-	44	2	-	-	-	44	15	21	7	66	22	$ 2,291	$ 764	$ 325	$ 108
10,001-25,000	7	-	1	-	-	22	-	-	-	-	22	7	7	2	33	11	$ 1,126	$ 375	$ 160	$ 53
25,001-50,000	2	-	-	-	-	7	-	-	-	-	7	2	2	1	10	3	$ 358	$ 119	$ 51	$ 17
50,001-75,000	23	-	202	-	9	202	-	-	202	-	211	70	23	8	317	106	$ 10,968	$ 3,656	$ 1,555	$ 518
75,001-100,000	10	-	92	-	-	92	-	-	92	-	92	31	10	3	138	46	$ 4,769	$ 1,590	$ 676	$ 225
100,001-500,000	22	-	270	-	-	270	-	-	270	-	270	90	22	7	404	135	$ 13,992	$ 4,664	$ 1,984	$ 661
500,001-1,000,000	1	-	12	-	-	12	-	-	12	-	12	4	1	0	18	6	$ 636	$ 212	$ 90	$ 30
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	763	-	578	-	9	649	2	25	576	-	658	219	86	29	987	329	$ 34,140	$ 11,380	$ 4,841	$ 1,614

Summary - All Scenarios (cont.)

SURFACE WATER: CWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	11	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	24	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	9	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	20	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	17	20	-	-	-	-	-	-	-	1	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	8	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	41	6	74	-	-	74	-	-	74	-	74	25	38	13	111	37	$ 3,850	$ 1,283	$ 546	$ 182
75,001-100,000	17	2	31	-	-	31	-	-	31	-	31	10	16	5	47	16	$ 1,621	$ 540	$ 230	$ 77
100,001-500,000	59	6	184	-	-	184	-	-	184	-	184	61	57	19	276	92	$ 9,553	$ 3,184	$ 1,354	$ 451
500,001-1,000,000	4	3	10	-	-	10	-	-	10	-	10	3	3	1	15	5	$ 503	$ 168	$ 71	$ 24
> 1,000,000	2	-	6	-	-	6	-	-	6	-	6	2	2	1	10	3	$ 335	$ 112	$ 48	$ 16
Total	216	130	306	-	-	306	-	-	306	1	306	102	116	39	459	153	$ 15,861	$ 5,287	$ 2,249	$ 750

SURFACE WATER: NTNCWSs

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	15	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

SURFACE WATER: ALL SYSTEMS

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	17	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	29	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	10	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	22	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	18	21	-	-	-	-	-	-	-	1	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	8	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	41	6	74	-	-	74	-	-	74	-	74	25	38	13	111	37	$ 3,850	$ 1,283	$ 546	$ 182
75,001-100,000	17	2	31	-	-	31	-	-	31	-	31	10	16	5	47	16	$ 1,621	$ 540	$ 230	$ 77
100,001-500,000	59	6	184	-	-	184	-	-	184	-	184	61	57	19	276	92	$ 9,553	$ 3,184	$ 1,354	$ 451
500,001-1,000,000	4	3	10	-	-	10	-	-	10	-	10	3	3	1	15	5	$ 503	$ 168	$ 71	$ 24
> 1,000,000	2	-	6	-	-	6	-	-	6	-	6	2	2	1	10	3	$ 335	$ 112	$ 48	$ 16
Total	231	145	306	-	-	306	-	-	306	1	306	102	116	39	459	153	$ 15,861	$ 5,287	$ 2,249	$ 750

Exhibit 19 - SOURCE WATER MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY (cont.)

Summary - All Scenarios (cont.)

ALL SYSTEMS																					
		Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)										
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	302	18	-	-	-	-	-	9	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	298	31	-	-	-	-	-	10	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	70	13	-	-	-	-	-	3	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	84	26	-	-	-	-	-	3	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	40	21	1	-	-	44	2	-	-	1	44	15	21	7	66	22	$ 2,291	$ 764	$ 325	$ 108
10,001-25,000	15	12	1	-	-	22	-	-	-	-	22	7	7	2	33	11	$ 1,126	$ 375	$ 160	$ 53
25,001-50,000	6	6	-	-	-	7	-	-	-	-	7	2	2	1	10	3	$ 358	$ 119	$ 51	$ 17
50,001-75,000	64	6	276	-	9	276	-	-	276	-	286	95	61	20	428	143	$ 14,817	$ 4,939	$ 2,101	$ 700
75,001-100,000	27	2	123	-	-	123	-	-	123	-	123	41	26	9	185	62	$ 6,389	$ 2,130	$ 906	$ 302
100,001-500,000	81	6	454	-	-	454	-	-	454	-	454	151	79	26	681	227	$ 23,545	$ 7,848	$ 3,338	$ 1,113
500,001-1,000,000	5	3	22	-	-	22	-	-	22	-	22	7	4	1	33	11	$ 1,139	$ 380	$ 161	$ 54
> 1,000,000	2	-	6	-	-	6	-	-	6	-	6	2	2	1	10	3	$ 335	$ 112	$ 48	$ 16
Total	994	145	884	-	9	954	2	25	882	1	964	321	202	67	1,445	482	$ 50,001	$ 16,667	$ 7,089	$ 2,363

Exhibit 20 - Number of Public Water Systems, Population Served, and Service Connections

Size Category	Community Water Systems (CWSs) Number of Systems	Popul	Average Popul/Sys	Service Connections	Average SCon/Sys
≤100	12,182	733,993	60	1,462,800	120
101-500	15,495	3,924,113	253	2,196,618	142
501-1,000	5,451	4,031,218	740	1,587,232	291
1,001-3,300	8,063	15,372,493	1,907	5,804,192	720
3,301-10,000	4,943	28,787,912	5,824	10,323,261	2,088
10,001-25,000	2,289	36,249,684	15,836	12,606,720	5,508
25,001-50,000	1,041	36,616,560	35,174	12,047,573	11,573
50,001-75,000	362	21,925,548	60,568	7,291,921	20,143
75,001-100,000	177	15,275,305	86,301	4,642,177	26,227
100,001-500,000	366	68,881,675	188,201	20,920,595	57,160
500,001-1,000,000	40	28,065,535	701,638	8,216,318	205,408
> 1,000,000	22	42,731,781	1,942,354	10,017,379	455,335
Total	50,431	302,595,817	6,000	97,116,786	1,926

Size Category	Nontransient Noncommunity Water Systems (NTNCWSs) Number of Systems	Popul	Average Popul/Sys	Service Connections	Average SCon/Sys
≤100	8,593	476,708	55	38,871	5
101-500	6,537	1,639,996	251	51,284	8
501-1,000	1,631	1,172,829	719	21,124	13
1,001-3,300	874	1,495,302	1,711	33,154	38
3,301-10,000	145	815,831	5,626	14,478	100
10,001-25,000	7	91,800	13,114	381	54
25,001-50,000	8	294,593	36,824	432	54
50,001-75,000	1	71,963	71,963	184	184
75,001-100,000	0	0	N/A	0	N/A
100,001-500,000	1	203,375	203,375	1,109	1,109
500,001-1,000,000	0	0	N/A	0	N/A
> 1,000,000	0	0	N/A	0	N/A
Total	17,797	6,262,397	352	161,017	9

Source: SDWIS/FED Data from October 2014

Exhibit 21 - LSL MONITORING - MONITORING, NOTIFICATION, BURDEN, AND COST ASSUMPTIONS

State Labor Rate	$45.60

System Labor Rates	
≤100	$34.59
101-500	$34.59
501-1,000	$34.59
1,001-3,300	$34.59
3,301-10,000	$34.59
10,001-25,000	$34.59
25,001-50,000	$34.59
50,001-75,000	$34.59
75,001-100,000	$34.59
100,001-500,000	$34.59
500,001-1,000,000	$34.59
> 1,000,000	$34.59

PWS Labor Rate			
Base (Hourly)	$21.62	2013$	National Occupational Employment and Wage Estimates, United States, BLS SOC Code 51-8031, "Local Government - Water and Liquid Waste Treatment Plant and System Operators". May 2013 data (published in April 2014). http://www.bls.gov/oes/2013/may/oes518031.htm
Load Factor	1.6		
Inflation Factor	1.0	1	ECI New
Total	$34.59	1	ECI Base

State Labor Rate			
Base (Hourly)	$28.50	2013$	National Occupational Employment and Wage Estimates, United States, BLS SOC Code 19-2041, "State Government - Environmental Scientists and Specialists, Including Health". May 2013 data (published in April 2014). http://www.bls.gov/oes/2013/may/oes192041.htm
Load Factor	1.6		
Inflation Factor	1.0	1	ECI New
Total	$45.60	1	ECI Base

Households/Service Connectior	2.3

Inflation Factor	1.40	233.0	CPI All Urban Consumers (CPI-U): U.S. City Average, by Expenditure Category and Commodity and Service Group. All urban consumers, All items, Not seasonally adjusted. 2013 Annual Average.
		166.6	CPI-U Base Year

Postage	$ 0.49
Paper and Envelope (O&M)	$ 0.06

Exhibit 22 - LSL MONITORING - MONITORING, NOTIFICATION, BURDEN, AND COST ASSUMPTIONS

CWSs: Study Required										
Size Category	Number of Systems Required to Monitor	Avg. Number of Service Connections (LSLs) per System	Avg. Number of Households per System	Avg. Labor Hrs. for Collection & Analysis	Avg. Labor Hrs. for Notification Preparation	Labor Rate	Avg. Material (O&M) Cost per Sample	Avg. Material (O&M) Cost per Notification	Total Avg. Labor Cost for Collection & Analysis	Total Avg. Labor Cost for Notification
≤100	36	120	276	2.5	0.25	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 8.65
101-500	44	142	327	2.5	0.25	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 8.65
501-1,000	11	291	669	2.5	0.25	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 8.65
1,001-3,300	16	720	1,656	2.5	0.25	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 8.65
3,301-10,000	9	2,088	4,802	2.5	0.25	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 8.65
10,001-25,000	4	5,508	12,668	2.5	0.25	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 8.65
25,001-50,000	2	11,573	26,618	2.5	0.25	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 8.65
50,001-75,000	1	20,143	46,329	2.5	0.50	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 17.30
75,001-100,000	-	26,227	60,322	2.5	0.50	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 17.30
100,001-500,000	-	57,160	131,468	2.5	0.50	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 17.30
500,001-1,000,000	-	205,408	472,438	2.5	0.50	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 17.30
> 1,000,000	-	455,335	1,047,271	2.5	0.50	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 17.30
TOTAL:	123									

CWSs: No Study Required										
Size Category	Number of Systems Required to Monitor	Avg. Number of Service Connections (LSLs) per System	Avg. Number of Households per System	Avg. Labor Hrs. for Collection & Analysis	Avg. Labor Hrs. for Notification Preparation	Labor Rate	Avg. Material (O&M) Cost per Sample	Avg. Material (O&M) Cost per Notification	Total Avg. Labor Cost for Collection & Analysis	Total Avg. Labor Cost for Notification
≤100	106	120	276	2.5	0.25	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 8.65
101-500	132	142	327	2.5	0.25	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 8.65
501-1,000	34	291	669	2.5	0.25	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 8.65
1,001-3,300	49	720	1,656	2.5	0.25	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 8.65
3,301-10,000	27	2,088	4,802	2.5	0.25	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 8.65
10,001-25,000	11	5,508	12,668	2.5	0.25	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 8.65
25,001-50,000	5	11,573	26,618	2.5	0.25	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 8.65
50,001-75,000	3	20,143	46,329	2.5	0.50	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 17.30
75,001-100,000	1	26,227	60,322	2.5	0.50	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 17.30
100,001-500,000	1	57,160	131,468	2.5	0.50	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 17.30
500,001-1,000,000	0	205,408	472,438	2.5	0.50	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 17.30
> 1,000,000	0	455,335	1,047,271	2.5	0.50	$ 34.59	$ 3.68	$ 0.55	$ 86.48	$ 17.30
TOTAL:	369									

Notes: Number of systems required to monitor based on actual number of systems exceeding action levels.

Average number of service connections (LSLs) per system from SDWIS database as of October 2014.

Total households per system calculated based on EPA estimate of 2.3 households per service connection (LSL) - assumption carried forward from a previous ICR.

Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 23 - LSL MONITORING - MONITORING SCENARIO ALLOCATION

CWSs: Study Required					
		Percent of Systems Under Each Monitoring Scenario			
		1	2	3	4
Size Category	Total Systems	Initial LSL Monitoring (Study Required)	Initial LSL Monitoring (No Study Required)	Partial LSL Monitoring (Study Required)	Partial LSL Monitoring (No Study Required)
≤100	36	100%	-	100%	-
101-500	44	100%	-	100%	-
501-1,000	11	100%	-	100%	-
1,001-3,300	16	100%	-	100%	-
3,301-10,000	9	100%	-	100%	-
10,001-25,000	4	100%	-	100%	-
25,001-50,000	2	100%	-	100%	-
50,001-75,000	1	100%	-	100%	-
75,001-100,000	-	100%	-	100%	-
100,001-500,000	-	100%	-	100%	-
500,001-1,000,000	-	100%	-	100%	-
> 1,000,000	-	100%	-	100%	-
TOTAL:	123				

CWSs: No Study Required					
		Percent of Systems Under Each Monitoring Scenario			
		1	2	3	4
Size Category	Total Systems	Initial LSL Monitoring (Study Required)	Initial LSL Monitoring (No Study Required)	Partial LSL Monitoring (Study Required)	Partial LSL Monitoring (No Study Required)
≤100	106	-	100%	-	100%
101-500	132	-	100%	-	100%
501-1,000	34	-	100%	-	100%
1,001-3,300	49	-	100%	-	100%
3,301-10,000	27	-	100%	-	100%
10,001-25,000	11	-	100%	-	100%
25,001-50,000	5	-	100%	-	100%
50,001-75,000	3	-	-	-	-
75,001-100,000	1	-	-	-	-
100,001-500,000	1	-	-	-	-
500,001-1,000,000	-	-	-	-	-
> 1,000,000	-	-	-	-	-
TOTAL:	369				

Exhibit 24 - LSL Monitoring: Number of Monitoring and Notification Events per System, per Year

SCENARIO 1: Initial LSL Monitoring (Study Required)

CWSs (Monitoring)										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	8	8	8	8	8	8	8	8	8	**72**
101-500	9	9	9	9	9	9	9	9	9	**85**
501-1,000	19	19	19	19	19	19	19	19	19	**175**
1,001-3,300	48	48	48	48	48	48	48	48	48	**432**
3,301-10,000	139	139	139	139	139	139	139	139	139	**1,253**
10,001-25,000	367	367	367	367	367	367	367	367	367	**3,305**
25,001-50,000	772	772	772	772	772	772	772	772	772	**6,944**
50,001-75,000	1,343	1,343	1,343	1,343	1,343	1,343	1,343	1,343	1,343	**12,086**
75,001-100,000	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	**15,736**
100,001-500,000	3,811	3,811	3,811	3,811	3,811	3,811	3,811	3,811	3,811	**34,296**
500,001-1,000,000	13,694	13,694	13,694	13,694	13,694	13,694	13,694	13,694	13,694	**123,245**
> 1,000,000	30,356	30,356	30,356	30,356	30,356	30,356	30,356	30,356	30,356	**273,201**

SCENARIO 2: Initial LSL Monitoring (No Study Required)

CWSs (Monitoring)										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	8	8	8	8	8	8	8	8	8	**72**
101-500	9	9	9	9	9	9	9	9	9	**85**
501-1,000	19	19	19	19	19	19	19	19	19	**175**
1,001-3,300	48	48	48	48	48	48	48	48	48	**432**
3,301-10,000	139	139	139	139	139	139	139	139	139	**1,253**
10,001-25,000	367	367	367	367	367	367	367	367	367	**3,305**
25,001-50,000	772	772	772	772	772	772	772	772	772	**6,944**
50,001-75,000	-	-	-	-	-	-	-	-	-	**-**
75,001-100,000	-	-	-	-	-	-	-	-	-	**-**
100,001-500,000	-	-	-	-	-	-	-	-	-	**-**
500,001-1,000,000	-	-	-	-	-	-	-	-	-	**-**
> 1,000,000	-	-	-	-	-	-	-	-	-	**-**

Exhibit 24 - LSL Monitoring: Number of Monitoring and Notification Events per System, per Year (cont.)

SCENARIO 3: Partial LSL Replacement (Study Required)

CWSs (Monitoring)										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	8	8	8	8	8	8	8	8	8	**72**
101-500	6	6	6	6	6	6	6	6	6	**51**
501-1,000	12	12	12	12	12	12	12	12	12	**105**
1,001-3,300	29	29	29	29	29	29	29	29	29	**259**
3,301-10,000	84	84	84	84	84	84	84	84	84	**752**
10,001-25,000	220	220	220	220	220	220	220	220	220	**1,983**
25,001-50,000	463	463	463	463	463	463	463	463	463	**4,166**
50,001-75,000	806	806	806	806	806	806	806	806	806	**7,251**
75,001-100,000	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	**9,442**
100,001-500,000	2,286	2,286	2,286	2,286	2,286	2,286	2,286	2,286	2,286	**20,578**
500,001-1,000,000	8,216	8,216	8,216	8,216	8,216	8,216	8,216	8,216	8,216	**73,947**
> 1,000,000	18,213	18,213	18,213	18,213	18,213	18,213	18,213	18,213	18,213	**163,921**

CWSs (Notifications)										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	18	18	18	18	18	18	18	18	18	**166**
101-500	13	13	13	13	13	13	13	13	13	**118**
501-1,000	27	27	27	27	27	27	27	27	27	**241**
1,001-3,300	66	66	66	66	66	66	66	66	66	**596**
3,301-10,000	192	192	192	192	192	192	192	192	192	**1,729**
10,001-25,000	507	507	507	507	507	507	507	507	507	**4,561**
25,001-50,000	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	**9,582**
50,001-75,000	1,853	1,853	1,853	1,853	1,853	1,853	1,853	1,853	1,853	**16,678**
75,001-100,000	2,413	2,413	2,413	2,413	2,413	2,413	2,413	2,413	2,413	**21,716**
100,001-500,000	5,259	5,259	5,259	5,259	5,259	5,259	5,259	5,259	5,259	**47,328**
500,001-1,000,000	18,898	18,898	18,898	18,898	18,898	18,898	18,898	18,898	18,898	**170,078**
> 1,000,000	41,891	41,891	41,891	41,891	41,891	41,891	41,891	41,891	41,891	**377,017**

Exhibit 24 - LSL Monitoring: Number of Monitoring and Notification Events per System, per Year (cont.)

SCENARIO 4: Partial LSL Replacement (No Study Required)

CWSs (Monitoring)										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	8	8	8	8	8	8	8	8	8	**72**
101-500	6	6	6	6	6	6	6	6	6	**51**
501-1,000	12	12	12	12	12	12	12	12	12	**105**
1,001-3,300	29	29	29	29	29	29	29	29	29	**259**
3,301-10,000	84	84	84	84	84	84	84	84	84	**752**
10,001-25,000	220	220	220	220	220	220	220	220	220	**1,983**
25,001-50,000	463	463	463	463	463	463	463	463	463	**4,166**
50,001-75,000	-	-	-	-	-	-	-	-	-	**-**
75,001-100,000	-	-	-	-	-	-	-	-	-	**-**
100,001-500,000	-	-	-	-	-	-	-	-	-	**-**
500,001-1,000,000	-	-	-	-	-	-	-	-	-	**-**
> 1,000,000	-	-	-	-	-	-	-	-	-	**-**

CWSs (Notifications)										
	Years (Representing 9-Year Cycle)									
Size Category	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
≤100	18	18	18	18	18	18	18	18	18	**166**
101-500	13	13	13	13	13	13	13	13	13	**118**
501-1,000	27	27	27	27	27	27	27	27	27	**241**
1,001-3,300	66	66	66	66	66	66	66	66	66	**596**
3,301-10,000	192	192	192	192	192	192	192	192	192	**1,729**
10,001-25,000	507	507	507	507	507	507	507	507	507	**4,561**
25,001-50,000	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	1,065	**9,582**
50,001-75,000	-	-	-	-	-	-	-	-	-	**-**
75,001-100,000	-	-	-	-	-	-	-	-	-	**-**
100,001-500,000	-	-	-	-	-	-	-	-	-	**-**
500,001-1,000,000	-	-	-	-	-	-	-	-	-	**-**
> 1,000,000	-	-	-	-	-	-	-	-	-	**-**

Exhibit 25 - LSL MONITORING - MONITORING, NOTIFICATION, BURDEN, AND COST SUMMARY

SCENARIO 1: Initial LSL Monitoring (Study Required)

CWSs																			
		Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)							
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	36	288	288	288	288	288	288	288	288	288	864	288	2,160	720	$ 74,719	$ 24,906	$ 3,178	$ 1,059
101-500	44	417	417	417	417	417	417	417	417	417	1,250	417	3,124	1,041	$ 108,065	$ 36,022	$ 4,597	$ 1,532
501-1,000	11	213	213	213	213	213	213	213	213	213	640	213	1,601	534	$ 55,364	$ 18,455	$ 2,355	$ 785
1,001-3,300	16	768	768	768	768	768	768	768	768	768	2,304	768	5,760	1,920	$ 199,250	$ 66,417	$ 8,475	$ 2,825
3,301-10,000	9	1,253	1,253	1,253	1,253	1,253	1,253	1,253	1,253	1,253	3,758	1,253	9,396	3,132	$ 325,026	$ 108,342	$ 13,825	$ 4,608
10,001-25,000	4	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	4,406	1,469	11,016	3,672	$ 381,065	$ 127,022	$ 16,209	$ 5,403
25,001-50,000	2	1,543	1,543	1,543	1,543	1,543	1,543	1,543	1,543	1,543	4,629	1,543	11,573	3,858	$ 400,333	$ 133,444	$ 17,029	$ 5,676
50,001-75,000	1	1,343	1,343	1,343	1,343	1,343	1,343	1,343	1,343	1,343	4,029	1,343	10,072	3,357	$ 348,393	$ 116,131	$ 14,819	$ 4,940
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	123	7,293	7,293	7,293	7,293	7,293	7,293	7,293	7,293	7,293	21,880	7,293	54,701	18,234	$ 1,892,217	$ 630,739	$ 80,487	$ 26,829

Exhibit 25 - LSL MONITORING - MONITORING, NOTIFICATION, BURDEN, AND COST SUMMARY (cont.

SCENARIO 2: Initial LSL Monitoring (No Study Required)

CWSs																		
		Samples by Year (Representing 9-Year Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018)							
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Samples	Annual Samples	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	106	848	848	848	848	848	848	848	848	848	2,544	848	6,360	2,120	$ 220,005	$ 73,335	$ 9,358	$ 3,119
101-500	132	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	3,749	1,250	9,372	3,124	$ 324,196	$ 108,065	$ 13,790	$ 4,597
501-1,000	34	660	660	660	660	660	660	660	660	660	1,979	660	4,947	1,649	$ 171,127	$ 57,042	$ 7,279	$ 2,426
1,001-3,300	49	2,352	2,352	2,352	2,352	2,352	2,352	2,352	2,352	2,352	7,056	2,352	17,640	5,880	$ 610,203	$ 203,401	$ 25,956	$ 8,652
3,301-10,000	27	3,758	3,758	3,758	3,758	3,758	3,758	3,758	3,758	3,758	11,275	3,758	28,188	9,396	$ 975,079	$ 325,026	$ 41,476	$ 13,825
10,001-25,000	11	4,039	4,039	4,039	4,039	4,039	4,039	4,039	4,039	4,039	12,118	4,039	30,294	10,098	$ 1,047,930	$ 349,310	$ 44,575	$ 14,858
25,001-50,000	5	3,858	3,858	3,858	3,858	3,858	3,858	3,858	3,858	3,858	11,573	3,858	28,933	9,644	$ 1,000,833	$ 333,611	$ 42,572	$ 14,191
50,001-75,000	3	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	1	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	1	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	369	16,764	16,764	16,764	16,764	16,764	16,764	16,764	16,764	16,764	50,293	16,764	125,734	41,911	$ 4,349,373	$ 1,449,791	$ 185,005	$ 61,668

Exhibit 25 - LSL MONITORING - MONITORING, NOTIFICATION, BURDEN, AND COST SUMMARY (cont.)

SCENARIO 3: Partial LSL Replacement (Study Required)

CWSs (Monitoring)

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	36	288	288	288	288	288	288	288	288	288	864	288	2,160	720	$ 74,719	$ 24,906	$ 3,178	$ 1,059
101-500	44	250	250	250	250	250	250	250	250	250	750	250	1,874	625	$ 64,839	$ 21,613	$ 2,758	$ 919
501-1,000	11	128	128	128	128	128	128	128	128	128	384	128	960	320	$ 33,219	$ 11,073	$ 1,413	$ 471
1,001-3,300	16	461	461	461	461	461	461	461	461	461	1,382	461	3,456	1,152	$ 119,550	$ 39,850	$ 5,085	$ 1,695
3,301-10,000	9	752	752	752	752	752	752	752	752	752	2,255	752	5,638	1,879	$ 195,016	$ 65,005	$ 8,295	$ 2,765
10,001-25,000	4	881	881	881	881	881	881	881	881	881	2,644	881	6,610	2,203	$ 228,639	$ 76,213	$ 9,725	$ 3,242
25,001-50,000	2	926	926	926	926	926	926	926	926	926	2,778	926	6,944	2,315	$ 240,200	$ 80,067	$ 10,217	$ 3,406
50,001-75,000	1	806	806	806	806	806	806	806	806	806	2,417	806	6,043	2,014	$ 209,036	$ 69,679	$ 8,892	$ 2,964
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	123	4,491	4,491	4,491	4,491	4,491	4,491	4,491	4,491	4,491	13,474	4,491	33,685	11,228	$ 1,165,218	$ 388,406	$ 49,564	$ 16,521

CWSs (Notifications)

Size Category	Number of Systems	Notifications by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Notifications	Annual Notifications	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	36	662	662	662	662	662	662	662	662	662	1,987	662	497	166	$ 17,185	$ 5,728	$ 1,085	$ 362
101-500	44	575	575	575	575	575	575	575	575	575	1,724	575	431	144	$ 14,913	$ 4,971	$ 941	$ 314
501-1,000	11	294	294	294	294	294	294	294	294	294	883	294	221	74	$ 7,640	$ 2,547	$ 482	$ 161
1,001-3,300	16	1,060	1,060	1,060	1,060	1,060	1,060	1,060	1,060	1,060	3,180	1,060	795	265	$ 27,496	$ 9,165	$ 1,736	$ 579
3,301-10,000	9	1,729	1,729	1,729	1,729	1,729	1,729	1,729	1,729	1,729	5,187	1,729	1,297	432	$ 44,854	$ 14,951	$ 2,832	$ 944
10,001-25,000	4	2,027	2,027	2,027	2,027	2,027	2,027	2,027	2,027	2,027	6,081	2,027	1,520	507	$ 52,587	$ 17,529	$ 3,320	$ 1,107
25,001-50,000	2	2,129	2,129	2,129	2,129	2,129	2,129	2,129	2,129	2,129	6,388	2,129	1,597	532	$ 55,246	$ 18,415	$ 3,488	$ 1,163
50,001-75,000	1	1,853	1,853	1,853	1,853	1,853	1,853	1,853	1,853	1,853	5,559	1,853	2,780	927	$ 96,157	$ 32,052	$ 3,035	$ 1,012
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	123	10,330	10,330	10,330	10,330	10,330	10,330	10,330	10,330	10,330	30,990	10,330	9,137	3,046	$ 316,078	$ 105,359	$ 16,918	$ 5,639

Exhibit 25 - LSL MONITORING - MONITORING, NOTIFICATION, BURDEN, AND COST SUMMARY (cont.)

SCENARIO 4: Partial LSL Replacement (No Study Required)

CWSs (Monitoring)

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	106	848	848	848	848	848	848	848	848	848	2,544	848	6,360	2,120	$ 220,005	$ 73,335	$ 9,358	$ 3,119
101-500	132	750	750	750	750	750	750	750	750	750	2,249	750	5,623	1,874	$ 194,518	$ 64,839	$ 8,274	$ 2,758
501-1,000	34	396	396	396	396	396	396	396	396	396	1,187	396	2,968	989	$ 102,676	$ 34,225	$ 4,367	$ 1,456
1,001-3,300	49	1,411	1,411	1,411	1,411	1,411	1,411	1,411	1,411	1,411	4,234	1,411	10,584	3,528	$ 366,122	$ 122,041	$ 15,573	$ 5,191
3,301-10,000	27	2,255	2,255	2,255	2,255	2,255	2,255	2,255	2,255	2,255	6,765	2,255	16,913	5,638	$ 585,048	$ 195,016	$ 24,886	$ 8,295
10,001-25,000	11	2,424	2,424	2,424	2,424	2,424	2,424	2,424	2,424	2,424	7,271	2,424	18,176	6,059	$ 628,758	$ 209,586	$ 26,745	$ 8,915
25,001-50,000	5	2,315	2,315	2,315	2,315	2,315	2,315	2,315	2,315	2,315	6,944	2,315	17,360	5,787	$ 600,500	$ 200,167	$ 25,543	$ 8,514
50,001-75,000	3	2,417	2,417	2,417	2,417	2,417	2,417	2,417	2,417	2,417	7,251	2,417	18,129	6,043	$ 627,108	$ 209,036	$ 26,675	$ 8,892
75,001-100,000	1	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	3,147	1,049	7,868	2,623	$ 272,173	$ 90,724	$ 11,577	$ 3,859
100,001-500,000	1	2,286	2,286	2,286	2,286	2,286	2,286	2,286	2,286	2,286	6,859	2,286	17,148	5,716	$ 593,184	$ 197,728	$ 25,232	$ 8,411
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	369	16,151	16,151	16,151	16,151	16,151	16,151	16,151	16,151	16,151	48,452	16,151	121,129	40,376	$ 4,190,091	$ 1,396,697	$ 178,230	$ 59,410

CWSs (Notifications)

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Notifications	Annual Notifications	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	106	1,950	1,950	1,950	1,950	1,950	1,950	1,950	1,950	1,950	5,851	1,950	1,463	488	$ 50,601	$ 16,867	$ 3,194	$ 1,065
101-500	132	1,724	1,724	1,724	1,724	1,724	1,724	1,724	1,724	1,724	5,173	1,724	1,293	431	$ 44,739	$ 14,913	$ 2,824	$ 941
501-1,000	34	910	910	910	910	910	910	910	910	910	2,731	910	683	228	$ 23,615	$ 7,872	$ 1,491	$ 497
1,001-3,300	49	3,246	3,246	3,246	3,246	3,246	3,246	3,246	3,246	3,246	9,737	3,246	2,434	811	$ 84,208	$ 28,069	$ 5,316	$ 1,772
3,301-10,000	27	5,187	5,187	5,187	5,187	5,187	5,187	5,187	5,187	5,187	15,560	5,187	3,890	1,297	$ 134,561	$ 44,854	$ 8,495	$ 2,832
10,001-25,000	11	5,574	5,574	5,574	5,574	5,574	5,574	5,574	5,574	5,574	16,722	5,574	4,181	1,394	$ 144,614	$ 48,205	$ 9,129	$ 3,043
25,001-50,000	5	5,324	5,324	5,324	5,324	5,324	5,324	5,324	5,324	5,324	15,971	5,324	3,993	1,331	$ 138,115	$ 46,038	$ 8,719	$ 2,906
50,001-75,000	3	5,559	5,559	5,559	5,559	5,559	5,559	5,559	5,559	5,559	16,678	5,559	8,339	2,780	$ 288,470	$ 96,157	$ 9,105	$ 3,035
75,001-100,000	1	2,413	2,413	2,413	2,413	2,413	2,413	2,413	2,413	2,413	7,239	2,413	3,619	1,206	$ 125,200	$ 41,733	$ 3,952	$ 1,317
100,001-500,000	1	5,259	5,259	5,259	5,259	5,259	5,259	5,259	5,259	5,259	15,776	5,259	7,888	2,629	$ 272,864	$ 90,955	$ 8,613	$ 2,871
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	369	37,146	37,146	37,146	37,146	37,146	37,146	37,146	37,146	37,146	111,439	37,146	37,783	12,594	$ 1,306,988	$ 435,663	$ 60,838	$ 20,279

Exhibit 25 - LSL MONITORING - MONITORING, NOTIFICATION, BURDEN, AND COST SUMMARY (cont.

Summary

All CWSs (Monitoring)

Size Category	Number of Systems	Samples by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Samples	Annual Samples	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	142	2,272	2,272	2,272	2,272	2,272	2,272	2,272	2,272	2,272	6,816	2,272	17,040	5,680	$ 589,448	$ 196,483	$ 25,073	$ 8,358
101-500	176	2,666	2,666	2,666	2,666	2,666	2,666	2,666	2,666	2,666	7,997	2,666	19,994	6,665	$ 691,619	$ 230,540	$ 29,419	$ 9,806
501-1,000	45	1,397	1,397	1,397	1,397	1,397	1,397	1,397	1,397	1,397	4,190	1,397	10,476	3,492	$ 362,386	$ 120,795	$ 15,414	$ 5,138
1,001-3,300	65	4,992	4,992	4,992	4,992	4,992	4,992	4,992	4,992	4,992	14,976	4,992	37,440	12,480	$ 1,295,124	$ 431,708	$ 55,090	$ 18,363
3,301-10,000	36	8,018	8,018	8,018	8,018	8,018	8,018	8,018	8,018	8,018	24,054	8,018	60,134	20,045	$ 2,080,169	$ 693,390	$ 88,482	$ 29,494
10,001-25,000	15	8,813	8,813	8,813	8,813	8,813	8,813	8,813	8,813	8,813	26,438	8,813	66,096	22,032	$ 2,286,393	$ 762,131	$ 97,254	$ 32,418
25,001-50,000	7	8,641	8,641	8,641	8,641	8,641	8,641	8,641	8,641	8,641	25,924	8,641	64,809	21,603	$ 2,241,866	$ 747,289	$ 95,360	$ 31,787
50,001-75,000	4	4,566	4,566	4,566	4,566	4,566	4,566	4,566	4,566	4,566	13,697	4,566	34,243	11,414	$ 1,184,537	$ 394,846	$ 50,386	$ 16,795
75,001-100,000	1	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	1,049	3,147	1,049	7,868	2,623	$ 272,173	$ 90,724	$ 11,577	$ 3,859
100,001-500,000	1	2,286	2,286	2,286	2,286	2,286	2,286	2,286	2,286	2,286	6,859	2,286	17,148	5,716	$ 593,184	$ 197,728	$ 25,232	$ 8,411
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	492	44,700	44,700	44,700	44,700	44,700	44,700	44,700	44,700	44,700	134,099	44,700	335,248	111,749	$ 11,596,899	$ 3,865,633	$ 493,287	$ 164,429

All CWSs (Notifications)

Size Category	Number of Systems	Notifications by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Notifications	Annual Notifications	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	142	2,613	2,613	2,613	2,613	2,613	2,613	2,613	2,613	2,613	7,838	2,613	1,960	653	$ 67,786	$ 22,595	$ 4,279	$ 1,426
101-500	176	2,299	2,299	2,299	2,299	2,299	2,299	2,299	2,299	2,299	6,898	2,299	1,724	575	$ 59,652	$ 19,884	$ 3,766	$ 1,255
501-1,000	45	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	3,614	1,205	904	301	$ 31,256	$ 10,419	$ 1,973	$ 658
1,001-3,300	65	4,306	4,306	4,306	4,306	4,306	4,306	4,306	4,306	4,306	12,917	4,306	3,229	1,076	$ 111,704	$ 37,235	$ 7,052	$ 2,351
3,301-10,000	36	6,915	6,915	6,915	6,915	6,915	6,915	6,915	6,915	6,915	20,746	6,915	5,187	1,729	$ 179,415	$ 59,805	$ 11,326	$ 3,775
10,001-25,000	15	7,601	7,601	7,601	7,601	7,601	7,601	7,601	7,601	7,601	22,803	7,601	5,701	1,900	$ 197,201	$ 65,734	$ 12,449	$ 4,150
25,001-50,000	7	7,453	7,453	7,453	7,453	7,453	7,453	7,453	7,453	7,453	22,359	7,453	5,590	1,863	$ 193,361	$ 64,454	$ 12,207	$ 4,069
50,001-75,000	4	7,413	7,413	7,413	7,413	7,413	7,413	7,413	7,413	7,413	22,238	7,413	11,119	3,706	$ 384,626	$ 128,209	$ 12,140	$ 4,047
75,001-100,000	1	2,413	2,413	2,413	2,413	2,413	2,413	2,413	2,413	2,413	7,239	2,413	3,619	1,206	$ 125,200	$ 41,733	$ 3,952	$ 1,317
100,001-500,000	1	5,259	5,259	5,259	5,259	5,259	5,259	5,259	5,259	5,259	15,776	5,259	7,888	2,629	$ 272,864	$ 90,955	$ 8,613	$ 2,871
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	492	47,476	47,476	47,476	47,476	47,476	47,476	47,476	47,476	47,476	142,428	47,476	46,920	15,640	$ 1,623,066	$ 541,022	$ 77,756	$ 25,919

All CWSs (LSL Total)

Size Category	Number of Systems	Events by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Monitoring, Burden, and Cost for ICR Period (2016-2018) Total Notifications	Annual Notifications	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	142	4,885	4,885	4,885	4,885	4,885	4,885	4,885	4,885	4,885	14,654	4,885	19,000	6,333	$ 657,234	$ 219,078	$ 29,352	$ 9,784
101-500	176	4,965	4,965	4,965	4,965	4,965	4,965	4,965	4,965	4,965	14,895	4,965	21,718	7,239	$ 751,271	$ 250,424	$ 33,184	$ 11,061
501-1,000	45	2,602	2,602	2,602	2,602	2,602	2,602	2,602	2,602	2,602	7,805	2,602	11,380	3,793	$ 393,642	$ 131,214	$ 17,388	$ 5,796
1,001-3,300	65	9,298	9,298	9,298	9,298	9,298	9,298	9,298	9,298	9,298	27,893	9,298	40,669	13,556	$ 1,406,829	$ 468,943	$ 62,141	$ 20,714
3,301-10,000	36	14,933	14,933	14,933	14,933	14,933	14,933	14,933	14,933	14,933	44,800	14,933	65,321	21,774	$ 2,259,584	$ 753,195	$ 99,808	$ 33,269
10,001-25,000	15	16,414	16,414	16,414	16,414	16,414	16,414	16,414	16,414	16,414	49,242	16,414	71,797	23,932	$ 2,483,594	$ 827,865	$ 109,703	$ 36,568
25,001-50,000	7	16,094	16,094	16,094	16,094	16,094	16,094	16,094	16,094	16,094	48,283	16,094	70,399	23,466	$ 2,435,227	$ 811,742	$ 107,567	$ 35,856
50,001-75,000	4	11,978	11,978	11,978	11,978	11,978	11,978	11,978	11,978	11,978	35,935	11,978	45,362	15,121	$ 1,569,164	$ 523,055	$ 62,526	$ 20,842
75,001-100,000	1	3,462	3,462	3,462	3,462	3,462	3,462	3,462	3,462	3,462	10,386	3,462	11,487	3,829	$ 397,373	$ 132,458	$ 15,529	$ 5,176
100,001-500,000	1	7,545	7,545	7,545	7,545	7,545	7,545	7,545	7,545	7,545	22,635	7,545	25,036	8,345	$ 866,048	$ 288,683	$ 33,844	$ 11,281
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	492	92,176	92,176	92,176	92,176	92,176	92,176	92,176	92,176	92,176	276,528	92,176	382,168	127,389	$ 13,219,965	$ 4,406,655	$ 571,043	$ 190,348

Exhibit 26 - SYSTEM INVENTORY

GROUND WATER: CWSs

Size Category	Total Systems
≤100	11,212
101-500	13,403
501-1,000	4,320
1,001-3,300	5,566
3,301-10,000	2,724
10,001-25,000	989
25,001-50,000	355
50,001-75,000	106
75,001-100,000	44
100,001-500,000	58
500,001-1,000,000	5
> 1,000,000	2
TOTAL:	38,784

SURFACE WATER: CWSs

Size Category	Total Systems
≤100	970
101-500	2,092
501-1,000	1,131
1,001-3,300	2,497
3,301-10,000	2,219
10,001-25,000	1,300
25,001-50,000	686
50,001-75,000	256
75,001-100,000	133
100,001-500,000	308
500,001-1,000,000	35
> 1,000,000	20
TOTAL:	11,647

GROUND WATER: NTNCWSs

Size Category	Total Systems
≤100	8,279
101-500	6,254
501-1,000	1,539
1,001-3,300	786
3,301-10,000	92
10,001-25,000	4
25,001-50,000	5
50,001-75,000	0
75,001-100,000	0
100,001-500,000	0
500,001-1,000,000	0
> 1,000,000	0
TOTAL:	16,958

SURFACE WATER: NTNCWSs

Size Category	Total Systems
≤100	314
101-500	283
501-1,000	92
1,001-3,300	88
3,301-10,000	53
10,001-25,000	3
25,001-50,000	3
50,001-75,000	1
75,001-100,000	0
100,001-500,000	1
500,001-1,000,000	0
> 1,000,000	0
TOTAL:	839

GROUND WATER: ALL SYSTEMS

Size Category	Total Systems
≤100	19,491
101-500	19,657
501-1,000	5,859
1,001-3,300	6,352
3,301-10,000	2,816
10,001-25,000	993
25,001-50,000	360
50,001-75,000	106
75,001-100,000	44
100,001-500,000	58
500,001-1,000,000	5
> 1,000,000	2
TOTAL:	55,743

SURFACE WATER: ALL SYSTEMS

Size Category	Total Systems
≤100	1,284
101-500	2,375
501-1,000	1,223
1,001-3,300	2,585
3,301-10,000	2,272
10,001-25,000	1,303
25,001-50,000	689
50,001-75,000	257
75,001-100,000	133
100,001-500,000	309
500,001-1,000,000	35
> 1,000,000	20
TOTAL:	12,485

Source: SDWIS/FED Data from October 2014

Exhibit 27 - Labor Rates

State Labor Rate	$45.60

Exhibit 27 - System Labor Rates	
≤100	$34.59
101-500	$34.59
501-1,000	$34.59
1,001-3,300	$34.59
3,301-10,000	$34.59
10,001-25,000	$34.59
25,001-50,000	$34.59
50,001-75,000	$34.59
75,001-100,000	$34.59
100,001-500,000	$34.59
500,001-1,000,000	$34.59
> 1,000,000	$34.59

PWS Labor Rate			
Base (Hourly)	$21.62	2013$	National Occupational Employment and Wage Estimates, United States, BLS SOC Code 51-8031, "Local Government - Water and Liquid Waste Treatment Plant and System Operators". May 2013 data (published in April 2014). http://www.bls.gov/oes/2013/may/oes518031.htm
Load Factor	1.6		
Inflation Factor	1.0	1	ECI New
Total	$34.59	1	ECI Base

State Labor Rate			
Base (Hourly)	$28.50	2013$	National Occupational Employment and Wage Estimates, United States, BLS SOC Code 19-2041, "State Government - Environmental Scientists and Specialists, Including Health". May 2013 data (published in April 2014).http://www.bls.gov/oes/2013/may/oes192041.htm
Load Factor	1.6		
Inflation Factor	1.0	1	ECI New
Total	$45.60	1	ECI Base

Postage (First Class)	$0.49		
Paper + Envelope (O&M)	$ 0.06	$0.03 for envelope, and $0.01 for paper, inflated to 2013$.	
Inflation Factor	1.40	233.0	CPI All Urban Consumers (CPI-U): U.S. City Average, by Expenditure Category and Commodity and Service Group. All urban consumers, All items, Not seasonally adjusted. 2013 Annual Average.
		166.6	CPI-U Base Year

Exhibit 28 - Number of Public Water Systems, Population Served, and Service Connections

Size Category	Community Water Systems (CWSs) Number of Systems	Pop.	Average Pop./Sys.	Service Connections	Average Scon./Sys.
≤100	12,182	733,993	60	1,462,800	120
101-500	15,495	3,924,113	253	2,196,618	142
501-1,000	5,451	4,031,218	740	1,587,232	291
1,001-3,300	8,063	15,372,493	1,907	5,804,192	720
3,301-10,000	4,943	28,787,912	5,824	10,323,261	2,088
10,001-25,000	2,289	36,249,684	15,836	12,606,720	5,508
25,001-50,000	1,041	36,616,560	35,174	12,047,573	11,573
50,001-75,000	362	21,925,548	60,568	7,291,921	20,143
75,001-100,000	177	15,275,305	86,301	4,642,177	26,227
100,001-500,000	366	68,881,675	188,201	20,920,595	57,160
500,001-1,000,000	40	28,065,535	701,638	8,216,318	205,408
> 1,000,000	22	42,731,781	1,942,354	10,017,379	455,335
Total	50,431	302,595,817	6,000	97,116,786	1,926

Size Category	Nontransient Noncommunity Water Systems (NTNCWSs) Number of Systems	Pop.	Average Pop./Sys.	Service Connections	Average Scon./Sys.
≤100	8,593	476,708	55	38,871	5
101-500	6,537	1,639,996	251	51,284	8
501-1,000	1,631	1,172,829	719	21,124	13
1,001-3,300	874	1,495,302	1,711	33,154	38
3,301-10,000	145	815,831	5,626	14,478	100
10,001-25,000	7	91,800	13,114	381	54
25,001-50,000	8	294,593	36,824	432	54
50,001-75,000	1	71,963	71,963	184	184
75,001-100,000	0	0	0	0	N/A
100,001-500,000	1	203,375	203,375	1,109	1,109
500,001-1,000,000	0	0	N/A	0	N/A
> 1,000,000	0	0	N/A	0	N/A
Total	17,797	6,262,397	352	161,017	9

Source: SDWIS/FED Data from October 2014

Exhibit 29 - Notification of Sampling Results for Customers Whose Taps Are Sampled

System Size Category	Number of Systems	Percentage of Systems Required to Notify Customers	Total Number of Systems Affected by Reg Change III.E	Annual Number of Systems Affected by Regulatory Change III.C That Are Affected by Reg. Change III.E	Total Annual Monitoring Events	Total Customer Notification Letters	Annual System Burden (hrs)	Annual System Labor Cost	Annual System O&M Cost
	A	B	C=A*B	D	E	F	G	H	I
CWSs:									
≤100	12,182	100%	12,182	142	5,888	29,440	1,472	$50,919.14	$16,072.15
101-500	15,495	100%	15,495	176	7,489	37,446	1,872	$64,767.03	$20,443.11
501-1,000	5,451	100%	5,451	46	2,635	13,173	659	$22,784.45	$7,191.70
1,001-3,300	8,063	100%	8,063	65	3,897	19,486	974	$33,702.26	$10,637.80
3,301-10,000	4,943	100%	4,943	37	2,389	11,946	1,327	$45,913.51	$6,521.48
10,001-25,000	2,289	100%	2,289	15	1,106	5,532	615	$21,261.59	$3,019.96
25,001-50,000	1,041	100%	1,041	7	503	2,516	280	$9,669.42	$1,373.43
50,001-75,000	362	100%	362	4	175	875	97	$3,362.47	$477.60
75,001-100,000	177	100%	177	1	86	428	48	$1,644.08	$233.52
100,001-500,000	366	100%	366	2	177	885	98	$3,399.62	$482.88
500,001-1,000,000	40	100%	40	1	19	97	11	$371.54	$52.77
> 1,000,000	22	100%	22	0	11	53	6	$204.35	$29.03
NTNCWSs:									
≤100	8,593	100%	8,593	161	4,153	-	4,153	$143,670.38	$0.00
101-500	6,537	100%	6,537	122	3,160	-	3,160	$109,295.15	$0.00
501-1,000	1,631	100%	1,631	25	788	-	788	$27,269.45	$0.00
1,001-3,300	874	100%	874	19	422	-	422	$14,612.81	$0.00
3,301-10,000	145	100%	145	2	70	-	70	$2,424.32	$0.00
10,001-25,000	7	100%	7	1	3	-	3	$117.04	$0.00
25,001-50,000	8	100%	8	0	4	-	4	$133.76	$0.00
50,001-75,000	1	100%	1	0	0	-	0	$16.72	$0.00
75,001-100,000	0	100%	0	0	0	-		$0.00	$0.00
100,001-500,000	1	100%	1	0	0	-		$0.00	$0.00
500,001-1,000,000	0	100%		0	0				$0.00
> 1,000,000	0	100%		0	0				$0.00
Total	68,228	100%	68,228	824	32,977		16,060	$555,539.11	$66,535.42

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Assumptions:

[A] Number of CWS and NTNCWS systems per SDWIS/FED Data 2014.

[B] 40 CFR 141.85(d) requires all water systems to provide consumers with testing results when their drinking water is tested for lead and copper.

[D] The annual number of systems affected by regulatory change III.C is estimated as one third of the systems with lead ALEs during monitoring periods beginning and ending anytime between 7/1/2011 and 6/30/2014 (SDWIS/FED Data 2014).

[E] For the subtotal of systems affected by Reg. Change III.E, it is assumed that 9% of systems use a standard monitoring schedule with 6 monitoring events in 3 years or 2 monitoring events each year. It is also assumed that 91% of systems are on a reduced monitoring schedule with 1 monitoring event in 3 years. In addition, systems affected by Reg. Change III.C that are also affected by Reg. Change III.E use a standard monitoring schedule with 2 monitoring events each year. (Source: USEPA Survey of States - Questions on State Implementation of Lead and Copper Rule. July 2004). For systems affected by Reg. Change III.C, assume all systems have reverted to a standard monitoring schedule.

[F] The number of customer notification letters on lead monitoring results is based on the sampling schedule for standard and reduced monitoring as summarized in the LCR Short Term Revisions Economic Analysis Exhibit H.21. It is assumed that one letter is sent for each sampling site required by 40 CFR 141.86(c).

[G] For CWSs, assume burden of 1 hour per 20 letters for systems serving <3,300 people. For systems serving > 3,300 people, assume burden of 1 hour per 9 letters. For NTNCWSs, assume 1 hour per monitoring event for all system sizes. Burden estimates based on recommendations of Expert Review Panel (November 2005).

[I] For CWSs, the annual system O&M cost equals $0.55 per sample letter ($0.49 postage, $0.06 for paper plus envelope) multiplied by the number of sample letters. For NTNCWSs, the O&M cost is assumed to be negligible.

Exhibit 30 - CWS Public Education Delivery Requirements (Inserts and Pamphlets)

Size Category	Total CWSs	Total Population Served	CWSs - Public Education Required [1]	Avg. Pop. Per System	Avg. No. Inserts per System [2] (E/2.58)*4	Avg. No. of Pamphlets per System [3]	Avg. No. of All Materials per System (F+G)	Training Material Cost per Piece [4]	Training Material Cost per System (H*I)	Total Training Material Cost (D*J)	Mailing Cost per System [5] (H^0.5*$0.49)	Total Mailing Cost (D*L)	Total Material and Mailing Costs per System (J+L)	Total Annual Material and Mailing (O&M) Costs (K+M)	Labor Hours to Mail Materials (per System) [6]		Total Labor Hours to Mail Materials			Total Labor Unit Burden (Q/D)	Labor Rate	Total Annual Labor Cost (Q*S)
															Direct Mail	Bill Stuffer	Direct Mail	Bill Stuffer	Total			
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P		Q			R	S	T
≤100	12,182	730,920	142	60	93	5	98	$ 0.36	$ 35	$ 4,999	$ 24	$ 3,402	$ 59	$ 8,401	15	6	1,063	425	1,488	10.5	$ 34.59	$ 51,456
101-500	15,495	3,920,235	176	253	392	5	397	$ 0.36	$ 143	$ 25,122	$ 97	$ 17,097	$ 240	$ 42,219	15	6	1,318	527	1,845	10.5	$ 34.59	$ 63,805
501-1,000	5,451	4,033,740	46	740	1,147	5	1,152	$ 0.36	$ 415	$ 19,082	$ 282	$ 12,986	$ 697	$ 32,068	25	10	575	230	805	17.5	$ 34.59	$ 27,847
1,001-3,300	8,063	15,376,141	65	1,907	2,957	5	2,962	$ 0.36	$ 1,066	$ 69,301	$ 726	$ 47,163	$ 1,792	$ 116,464	25	10	813	325	1,138	17.5	$ 34.59	$ 39,348
3,301-10,000	4,943	28,788,032	37	5,824	9,029	14	9,043	$ 0.36	$ 3,256	$ 119,374	$ 2,216	$ 81,240	$ 5,471	$ 200,614	144	54	2,641	991	3,633	99.1	$ 34.59	$ 125,662
10,001-25,000	2,289	36,248,604	15	15,836	24,552	53	24,605	$ 0.36	$ 8,858	$ 132,867	$ 6,028	$ 90,423	$ 14,886	$ 223,290	183	93	1,372	697	2,068	137.9	$ 34.59	$ 71,543
25,001-50,000	1,041	36,616,134	7	35,174	54,533	76	54,609	$ 0.36	$ 19,659	$ 137,616	$ 13,379	$ 93,655	$ 33,039	$ 231,271	258	168	902	587	1,490	212.8	$ 34.59	$ 51,536
50,001-75,000	362	21,925,616	4	60,568	93,904	175	94,079	$ 0.36	$ 33,868	$ 135,474	$ 23,049	$ 92,197	$ 56,918	$ 227,671	356	266	713	533	1,245	311.3	$ 34.59	$ 43,068
75,001-100,000	177	15,275,277	1	86,301	133,800	207	134,007	$ 0.36	$ 48,243	$ 48,243	$ 32,832	$ 32,832	$ 81,074	$ 81,074	456	366	228	183	411	411.0	$ 34.59	$ 14,217
100,001-500,000	366	68,881,566	2	188,201	291,784	519	292,303	$ 0.36	$ 105,229	$ 245,535	$ 71,614	$ 167,100	$ 176,844	$ 412,635	851	761	993	888	1,881	806.0	$ 34.59	$ 65,053
500,001-1,000,000	40	28,065,520	1	701,638	1,087,811	1,931	1,089,742	$ 0.36	$ 392,307	$ 261,538	$ 266,987	$ 177,991	$ 659,294	$ 439,529	2,841	2,751	947	917	1,864	2,796.0	$ 34.59	$ 64,480
> 1,000,000	22	42,731,788	-	1,942,354	3,011,402	5,465	3,016,867	$ 0.36	$ 1,086,072	$ -	$ 739,132	$ -	$ 1,825,204	$ -	7,650	7,560	-	-	-	-	$ 34.59	$ -
Total	**50,431**	**302,593,573**	**495**						**$ 1,699,151**	**$ 1,199,149**	**$ 1,156,367**	**$ 816,088**	**$ 2,855,518**	**$ 2,015,237**			**11,563**	**6,303**	**17,866**			**$ 618,016**

Notes: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Assumptions:

[1] See Exhibit 29, column D.

[2] The average number of households per system receiving inserts is assumed to equal the average population served per system for a given size category divided by 2.58 (2010 Census figure for the average number of people per household) times 4 for 1 notification for each quarterly billing cycle.

[3] For systems serving > 3,300 people, the number of pamphlets and brochures was derived by assuming 90.9 doctors and 32.1 schools for every 100,000 people. This estimate is considered to be conservative enough to cover other facilities and organizations that are likely to provide services to pregnant women and children. For systems serving 3,300 or fewer people, the number of pamphlets and brochures was estimated at 5. These systems were assumed to be too small to have their own doctors and schools, but that they would have other areas in the town where pamphlets would be beneficial to children and pregnant women. Child care centers added for STR based on 178/100,000 and 15 ob/gyns/100,000.

[4] CWSs will buy material already printed (1991 RIA assumption). The cost per piece is taken from the AWWA 2015 bookstore catalog and assumes an AWWA member rate.

[5] The cost to mail public education materials is 49 cents, the first class rate. It is assumed that 50% of systems will mail public education materials separately, and 50% will mail materials with their water bills.

[6] The burden per system to conduct separate mailings (50% of systems) is assumed to be 15 hours for systems serving 500 or fewer, 25 hours for systems serving 501-3,300, and 120 hours for systems serving over 3,300. For the 50% of systems assumed to mail materials with the water bill, for systems serving 500 or fewer the burden is 6 hours, for systems serving 501-3,300 the burden is 10 hours, and for systems >3,300 the burden is 1/4 of the burden for systems conducting separate mailings. In addtion, systems serving over 3,300 include an extra hour and a half burden to draw up lists of additional groups receiving pamphlets and to contact the public health agency, and 0.25 hours per 100 brochures for production.

Exhibit 31 - CWS Public Education Delivery Requirements (PSAs)

Size Category	Total CWSs	Total Population Served	CWSs - Public Education Required [1]	No. of Entities Requiring Notification [2]	PSA Frequency (per Year)	Labor Hours per PSA [3]	Avg. Annual Burden per System (F*G)	Total Annual PSA Burden (D*H)	PSA Material Cost per Piece [4]	PSA Material Cost per System (E*F*J)	Mailing Cost per System (E*F*$0.49)	Material and Mailing Costs per System (K+L)	Material and Mailing (O&M) Costs (D*M)	Labor Rate	Total Annual Labor Cost (I*O)
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
≤100	12,182	730,920	142	-	2	-	-	-	$ 0.36	$ -	$ -	$ -	$ -	$ 34.59	$ -
101-500	15,495	3,920,235	176	-	2	-	-	-	$ 0.36	$ -	$ -	$ -	$ -	$ 34.59	$ -
501-1,000	5,451	4,033,740	46	-	2	-	-	-	$ 0.36	$ -	$ -	$ -	$ -	$ 34.59	$ -
1,001-3,300	8,063	15,376,141	65	-	2	-	-	-	$ 0.36	$ -	$ -	$ -	$ -	$ 34.59	$ -
3,301-10,000	4,943	28,788,032	37	8	2	5.0	10	367	$ 0.36	$ 5.76	$ 7.84	$ 13.60	$ 499	$ 34.59	$ 12,684
10,001-25,000	2,289	36,248,604	15	8	2	5.0	10	150	$ 0.36	$ 5.76	$ 7.84	$ 13.60	$ 204	$ 34.59	$ 5,189
25,001-50,000	1,041	36,616,134	7	8	2	5.0	10	70	$ 0.36	$ 5.76	$ 7.84	$ 13.60	$ 95	$ 34.59	$ 2,421
50,001-75,000	362	21,925,616	4	8	2	5.0	10	40	$ 0.36	$ 5.76	$ 7.84	$ 13.60	$ 54	$ 34.59	$ 1,384
75,001-100,000	177	15,275,277	1	8	2	5.0	10	10	$ 0.36	$ 5.76	$ 7.84	$ 13.60	$ 14	$ 34.59	$ 346
100,001-500,000	366	68,881,566	2	8	2	5.0	10	23	$ 0.36	$ 5.76	$ 7.84	$ 13.60	$ 32	$ 34.59	$ 807
500,001-1,000,000	40	28,065,520	1	8	2	5.0	10	7	$ 0.36	$ 5.76	$ 7.84	$ 13.60	$ 9	$ 34.59	$ 231
> 1,000,000	22	42,731,788	-	8	2	5.0	10	-	$ 0.36	$ 5.76	$ 7.84	$ 13.60	$ -	$ 34.59	$ -
Total	**50,431**	**302,593,573**	**495**					**667**					**$ 907**		**$ 23,061**

Notes: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Assumptions:

[1] See Exhibit 29, column D.

[2] The LCRMR model assumes that each system serving >3,300 people will send materials to 8 facilities, but States will not require systems serving <3,300 people to deliver PSAs or send notices to newspapers.

[3] Systems estimated to require 5 hours to prepare and mail notification to newspapers and radio and TV stations. It is assumed that these entities will run the public education materials as a public service announcment, free of charge.

[4] CWSs will buy material already printed (1991 RIA assumption). The cost per piece is taken from the AWWA 2015 bookstore catalog and assumes an AWWA member rate.

Exhibit 32 - NTNCWS Public Education Delivery Requirements (Inserts and Pamphlets)

Size Category	Total NTNCWSs	NTNCWSs - Public Education Required [1]	Annual System Labor Hours to Post and Distribute Handouts	Total Annual System Burden (C*D)	Labor Rate	Total Annual Labor Cost (E*F)
A	B	C	D	E	F	G
≤100	8,593	161	0.5	80.3	$ 34.59	$ 2,779
101-500	6,537	122	0.5	60.8	$ 34.59	$ 2,104
501-1,000	1,631	25	0.5	12.5	$ 34.59	$ 432
1,001-3,300	874	19	0.5	9.5	$ 34.59	$ 329
3,301-10,000	145	2	0.5	1.0	$ 34.59	$ 35
10,001-25,000	7	1	0.5	0.5	$ 34.59	$ 17
25,001-50,000	8	-	0.5	-	$ 34.59	$ -
50,001-75,000	1	-	0.5	-	$ 34.59	$ -
75,001-100,000	-	-	0.5	-	$ 34.59	$ -
100,001-500,000	1	-	0.5	-	$ 34.59	$ -
500,001-1,000,000	-	-	0.5	-	$ 34.59	$ -
> 1,000,000	-	-	0.5	-	$ 34.59	$ -
Total	**17,797**	**329**		**164.7**		**$ 5,696**

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.
Assumptions: [1] See Exhibit 29, column D.

Exhibit 33a - CWS Public Education Requirements from the LCR STR

Size Category	Total CWSs	Total Population Served	Public Education Required [1]	Avg. Pop. Per System	Burden to Prepare Additional Brochure Language	Burden for Self Certification Letters to State	Burden for Consulting with State	O&M Cost for Certification Letters [2]	Average O&M Cost for Additional Customer Education Activities [3]	Additional Customer Education Activities per System [4]	Average Burden for Additional Customer Education Activities [3]	Burden to Post on Website	Total Burden Hours	Total Labor Cost	Total O&M Cost
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
≤100	12,182	733,993	142	60	3.5	0.12	2	$ 0.55	$ 45	1	1.22	0.0	969	$ 33,527	$ 6,417.80
101-500	15,495	3,924,113	176	253	3.5	0.12	2	$ 0.55	$ 52	1	1.23	0.0	1,203	$ 41,629	$ 9,169.28
501-1,000	5,451	4,031,218	46	740	3.5	0.12	2	$ 0.55	$ 87	1	1.63	0.0	333	$ 11,534	$ 4,007.64
1,001-3,300	8,063	15,372,493	65	1,907	3.5	0.12	2	$ 0.55	$ 128	1	1.68	0.0	475	$ 16,420	$ 8,372.89
3,301-10,000	4,943	28,787,912	37	5,824	3.5	0.12	2	$ 0.55	$ 486	3	4.74	0.0	728	$ 25,167	$ 53,499.61
10,001-25,000	2,289	36,249,684	15	15,836	3.5	0.12	2	$ 0.55	$ 720	3	13.23	0.0	680	$ 23,516	$ 32,402.62
25,001-50,000	1,041	36,616,560	7	35,174	3.5	0.12	2	$ 0.55	$ 982	3	14.14	0.0	336	$ 11,630	$ 20,625.83
50,001-75,000	362	21,925,548	4	60,568	3.5	0.12	2	$ 0.55	$ 1,921	3	20.81	0.0	272	$ 9,414	$ 23,054.31
75,001-100,000	177	15,275,305	1	86,301	3.5	0.12	2	$ 0.55	$ 2,170	3	22.01	0.0	72	$ 2,478	$ 6,511.14
100,001-500,000	366	68,881,675	2	188,201	3.5	0.12	2	$ 0.55	$ 1,549	3	43.24	3.5	324	$ 11,206	$ 10,844.36
500,001-1,000,000	40	28,065,535	1	701,638	3.5	0.12	2	$ 0.55	$ 2,132	3	67.22	3.5	141	$ 4,861	$ 4,264.29
> 1,000,000	22	42,731,781	-	1,942,354	3.5	0.12	2	$ 0.55	$ 3,541	3	125.16	3.5	-	$ -	$ -
Total	**50,431**	**302,595,817**	**495**										**5,533**	**$ 191,382**	**$ 179,170**

Notes: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Assumptions:
[1] See Exhibit 29, column D.
[2] Based on $0.49 for stamp, $0.03 for envelope, and $0.01 for paper, updated to 2013$.
[3] Derived from STR updated to 2013$.
[4] From Exhibit H.6 of the STR EA.

Exhibit 33b - NTNCWS Public Education Requirements from the LCR STR

Size Category	Total NTNCWSs	Total Population Served	Public Education Required [1]	Avg. Pop. Per System	Burden to Prepare Additional Brochure Language	Burden for Consulting with State	Total Burden Hours	Total Labor Cost
A	B	C	D	E	F	G	H	I
≤100	8,593	476,708	161	55	3.5	2	884	$ 30,568
101-500	6,537	1,639,996	122	251	3.5	2	669	$ 23,148
501-1,000	1,631	1,172,829	25	719	3.5	2	138	$ 4,756
1,001-3,300	874	1,495,302	19	1,711	3.5	2	105	$ 3,615
3,301-10,000	145	815,831	2	5,626	3.5	2	11	$ 381
10,001-25,000	7	91,800	1	13,114	3.5	2	6	$ 190
25,001-50,000	8	294,593	-	36,824	3.5	2	-	$ -
50,001-75,000	1	71,963	-	71,963	3.5	2	-	$ -
75,001-100,000	-	-	-	-	3.5	2	-	$ -
100,001-500,000	1	203,375	-	203,375	3.5	2	-	$ -
500,001-1,000,000	-	-	-	N/A	3.5	2	-	$ -
> 1,000,000	-	-	-	N/A	3.5	2	-	$ -
Total	**17,797**	**6,262,397**	**329**				1,811	$ 62,658

Notes: Burden estimates based on STR EA and take into account the results of the May 2015 consultation with water industry representatives.

Assumptions: [1] See Exhibit 29, column D.

Exhibit 34 - Summary of Public Education Burden and Costs

Size Category	Total Systems	Total Annual O&M Cost	Total Annual System Burden	Total Annual Labor Cost
≤100	21,077	$ 30,891	9,046	$ 312,919
101-500	22,329	$ 71,831	8,810	$ 304,748
501-1,000	7,153	$ 43,267	2,735	$ 94,623
1,001-3,300	9,021	$ 135,475	3,123	$ 108,027
3,301-10,000	5,127	$ 261,134	6,136	$ 212,266
10,001-25,000	2,312	$ 258,916	3,522	$ 121,834
25,001-50,000	1,056	$ 253,365	2,179	$ 75,391
50,001-75,000	367	$ 251,257	1,655	$ 57,246
75,001-100,000	178	$ 87,832	540	$ 18,686
100,001-500,000	369	$ 423,994	2,326	$ 80,466
500,001-1,000,000	41	$ 443,855	2,022	$ 69,943
> 1,000,000	22	$ 29	6	$ 204
Total	**69,052**	**$ 2,261,849**	**42,101**	**$ 1,456,353**

Exhibit 35 - SYSTEM REPORTING - BURDEN AND COST ASSUMPTIONS

Size Category	Reporting Burden per Event										Labor Rate	O&M Cost Per Event (Postage, Paper, Envelope)	Self Certification Letter for Customer Notification (burden)
	Tap Sample Letter	Tap Sample Calcs	Move Tap Monitoring Location	Explain Treatment or Source Change	Monitoring Waiver Application	WQP Reporting (Annual)	Source Water Monitoring Letter	Public Education Letter	LSL Letter (Annual)	Partial LSL Letter			
≤100	1.5	1.0	3.0	8.0	1.0	5.0	0.5	1.0	0.5	0.5	$ 34.59	$ 0.55	0.12
101-500	1.5	1.0	3.0	8.0	1.0	5.0	0.5	1.0	0.5	0.5	$ 34.59	$ 0.55	0.12
501-1,000	1.5	1.0	3.0	8.0	1.0	5.0	0.5	1.0	0.5	0.5	$ 34.59	$ 0.55	0.12
1,001-3,300	1.5	1.0	3.0	8.0	1.0	5.0	0.5	1.0	0.5	0.5	$ 34.59	$ 0.55	0.12
3,301-10,000	1.5	1.0	3.0	8.0	N/A	5.0	0.5	1.0	0.5	0.5	$ 34.59	$ 0.55	0.12
10,001-25,000	1.5	1.25	3.0	8.0	N/A	5.0	0.5	1.0	0.5	0.5	$ 34.59	$ 0.55	0.12
25,001-50,000	1.5	1.25	3.0	8.0	N/A	5.0	0.5	1.0	0.5	0.5	$ 34.59	$ 0.55	0.12
50,001-75,000	1.5	1.25	3.0	8.0	N/A	5.0	0.5	1.0	0.5	0.5	$ 34.59	$ 0.55	0.12
75,001-100,000	1.5	1.25	3.0	8.0	N/A	5.0	0.5	1.0	0.5	0.5	$ 34.59	$ 0.55	0.12
100,001-500,000	1.5	1.5	3.0	8.0	N/A	5.0	0.5	1.0	0.5	0.5	$ 34.59	$ 0.55	0.12
500,001-1,000,000	1.5	1.5	3.0	8.0	N/A	5.0	0.5	1.0	0.5	0.5	$ 34.59	$ 0.55	0.12
> 1,000,000	1.5	1.5	3.0	8.0	N/A	5.0	0.5	1.0	0.5	0.5	$ 34.59	$ 0.55	0.12

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 36 - LABOR RATES

State Labor Rate $45.60

System Labor Rates	
≤100	$34.59
101-500	$34.59
501-1,000	$34.59
1,001-3,300	$34.59
3,301-10,000	$34.59
10,001-25,000	$34.59
25,001-50,000	$34.59
50,001-75,000	$34.59
75,001-100,000	$34.59
100,001-500,000	$34.59
500,001-1,000,000	$34.59
> 1,000,000	$34.59

PWS Labor Rate			
Base (Hourly)	$21.62	2013$	National Occupational Employment and Wage Estimates, United States, BLS SOC Code 51-8031, "Local Government - Water and Liquid Waste Treatment Plant and System Operators". May 2013 data (published in April 2014). http://www.bls.gov/oes/2013/may/oes518031.htm
Load Factor	1.6		
Inflation Factor	1.0	1	ECI New
Total	$34.59	1	ECI Base

State Labor Rate			
Base (Hourly)	$28.50	2013$	National Occupational Employment and Wage Estimates, United States, BLS SOC Code 19-2041, "State Government - Environmental Scientists and Specialists, Including Health". May 2013 data (published in April 2013). http://www.bls.gov/oes/2013/may/oes192041.htm
Load Factor	1.6		
Inflation Factor	1.0	1	ECI New
Total	$45.60	1	ECI Base

		233.0	CPI All Urban Consumers (CPI-U): U.S. City Average, by Expenditure Category and Commodity and Service Group. All urban consumers, All items, Not seasonally adjusted. 2013 Annual Average.
Postage	$ 0.49	166.6	CPI-U Base Year
Paper and Envelope (O&M)	$ 0.06	1.40	Inflation factor

Exhibit 37 - TAP MONITORING - REPORTING BURDEN AND COST

Reduced Monitoring - System Performing Calculations

Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	10,388	7,721	2,081	1,340	6,683	2,081	1,340	6,683	2,081	1,340	10,104	3,368	25,259	8,420	$ 873,751	$ 291,250	$ 5,516	$ 1,839
101-500	11,016	8,462	2,488	1,699	7,361	2,488	1,699	7,361	2,488	1,699	11,548	3,849	28,869	9,623	$ 998,628	$ 332,876	$ 6,304	$ 2,101
501-1,000	3,541	2,670	757	500	2,316	757	500	2,316	757	500	3,572	1,191	8,929	2,976	$ 308,863	$ 102,954	$ 1,950	$ 650
1,001-3,300	4,469	3,360	945	621	2,912	945	621	2,912	945	621	4,478	1,493	11,195	3,732	$ 387,257	$ 129,086	$ 2,445	$ 815
3,301-10,000	2,544	446	200	2,108	446	200	2,108	446	200	2,108	2,753	918	6,883	2,294	$ 238,079	$ 79,360	$ 1,503	$ 501
10,001-25,000	1,148	197	86	947	197	86	947	197	86	947	1,229	410	3,380	1,127	$ 116,912	$ 38,971	$ 671	$ 224
25,001-50,000	525	91	39	433	91	39	433	91	39	433	562	187	1,546	515	$ 53,462	$ 17,821	$ 307	$ 102
50,001-75,000	182	8	189	8	8	189	8	8	189	8	205	68	564	188	$ 19,501	$ 6,500	$ 112	$ 37
75,001-100,000	89	2	91	2	2	91	2	2	91	2	95	32	260	87	$ 8,990	$ 2,997	$ 52	$ 17
100,001-500,000	184	2	186	2	2	186	2	2	186	2	190	63	569	190	$ 19,666	$ 6,555	$ 103	$ 34
500,001-1,000,000	20	-	20	-	-	20	-	-	20	-	20	7	60	20	$ 2,076	$ 692	$ 11	$ 4
> 1,000,000	11	-	11	-	-	11	-	-	11	-	11	4	33	11	$ 1,142	$ 381	$ 6	$ 2
Total	34,114	22,958	7,090	7,658	20,017	7,090	7,658	20,017	7,090	7,658	34,765	11,588	87,544	29,181	$ 3,028,326	$ 1,009,442	$ 18,979	$ 6,326

Reduced Monitoring - State Performing Calculations

Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	10,388	7,721	2,081	1,340	6,683	2,081	1,340	6,683	2,081	1,340	10,104	3,368	15,155	5,052	$ 524,250	$ 174,750	$ 5,516	$ 1,839
101-500	11,016	8,462	2,488	1,699	7,361	2,488	1,699	7,361	2,488	1,699	11,548	3,849	17,321	5,774	$ 599,177	$ 199,726	$ 6,304	$ 2,101
501-1,000	3,541	2,670	757	500	2,316	757	500	2,316	757	500	3,572	1,191	5,357	1,786	$ 185,318	$ 61,773	$ 1,950	$ 650
2. An old version of	4,469	3,360	945	621	2,912	945	621	2,912	945	621	4,478	1,493	6,717	2,239	$ 232,354	$ 77,451	$ 2,445	$ 815
3,301-10,000	2,544	446	200	2,108	446	200	2,108	446	200	2,108	2,753	918	4,130	1,377	$ 142,848	$ 47,616	$ 1,503	$ 501
10,001-25,000	1,148	197	86	947	197	86	947	197	86	947	1,229	410	1,844	615	$ 63,770	$ 21,257	$ 671	$ 224
25,001-50,000	525	91	39	433	91	39	433	91	39	433	562	187	843	281	$ 29,161	$ 9,720	$ 307	$ 102
50,001-75,000	182	8	189	8	8	189	8	8	189	8	205	68	308	103	$ 10,637	$ 3,546	$ 112	$ 37
75,001-100,000	89	2	91	2	2	91	2	2	91	2	95	32	142	47	$ 4,903	$ 1,634	$ 52	$ 17
100,001-500,000	184	2	186	2	2	186	2	2	186	2	190	63	284	95	$ 9,833	$ 3,278	$ 103	$ 34
500,001-1,000,000	20	-	20	-	-	20	-	-	20	-	20	7	30	10	$ 1,038	$ 346	$ 11	$ 4
> 1,000,000	11	-	11	-	-	11	-	-	11	-	11	4	17	6	$ 571	$ 190	$ 6	$ 2
Total	34,114	22,958	7,090	7,658	20,017	7,090	7,658	20,017	7,090	7,658	34,765	11,588	52,147	17,382	$ 1,803,860	$ 601,287	$ 18,979	$ 6,326

Totals

Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	20,775	15,442	4,162	2,680	13,365	4,162	2,680	13,365	4,162	2,680	20,207	6,736	40,414	13,471	$ 1,398,001	$ 466,000	$ 11,032	$ 3,677
101-500	22,032	16,924	4,975	3,398	14,722	4,975	3,398	14,722	4,975	3,398	23,095	7,698	46,190	15,397	$ 1,597,804	$ 532,601	$ 12,608	$ 4,203
501-1,000	7,082	5,339	1,513	999	4,631	1,513	999	4,631	1,513	999	7,143	2,381	14,286	4,762	$ 494,181	$ 164,727	$ 3,900	$ 1,300
1,001-3,300	8,937	6,719	1,890	1,242	5,824	1,890	1,242	5,824	1,890	1,242	8,956	2,985	17,912	5,971	$ 619,612	$ 206,537	$ 4,889	$ 1,630
3,301-10,000	5,088	892	399	4,215	892	399	4,215	892	399	4,215	5,506	1,835	11,012	3,671	$ 380,927	$ 126,976	$ 3,006	$ 1,002
10,001-25,000	2,296	394	171	1,893	394	171	1,893	394	171	1,893	2,458	819	5,223	1,741	$ 180,683	$ 60,228	$ 1,342	$ 447
25,001-50,000	1,049	181	78	865	181	78	865	181	78	865	1,124	375	2,389	796	$ 82,623	$ 27,541	$ 614	$ 205
50,001-75,000	363	16	378	16	16	378	16	16	378	16	410	137	871	290	$ 30,138	$ 10,046	$ 224	$ 75
75,001-100,000	177	4	181	4	4	181	4	4	181	4	189	63	402	134	$ 13,893	$ 4,631	$ 103	$ 34
100,001-500,000	367	4	371	4	4	371	4	4	371	4	379	126	853	284	$ 29,498	$ 9,833	$ 207	$ 69
500,001-1,000,000	40	-	40	-	-	40	-	-	40	-	40	13	90	30	$ 3,113	$ 1,038	$ 22	$ 7
> 1,000,000	22	-	22	-	-	22	-	-	22	-	22	7	50	17	$ 1,712	$ 571	$ 12	$ 4
Total	68,228	45,915	14,180	15,316	40,033	14,180	15,316	40,033	14,180	15,316	69,529	23,176	139,691	46,564	$ 4,832,187	$ 1,610,729	$ 37,958	$ 12,653

Note: Half of systems conducting tap monitoring are assumed to calculate compliance with the lead and copper action levels themselves. States are assumed to perform this calculation for the other half of systems. These systems will still incur burden to submit results and describe the sampling locations used.

Exhibit 38 - CERTIFYING CUSTOMER NOTIFICATION OF SAMPLING - REPORTING BURDEN AND COST - CWSs

Totals																		
		Reporting Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Reporting Events	Annual Reporting Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	12,182	5,888	5,888	5,888	5,888	5,888	5,888	5,888	5,888	5,888	17,664	5,888	2,120	707	$ 73,324	$ 24,441	$ 9,643	$ 3,214
101-500	15,495	7,489	7,489	7,489	7,489	7,489	7,489	7,489	7,489	7,489	22,468	7,489	2,696	899	$ 93,265	$ 31,088	$ 12,266	$ 4,089
501-1,000	5,451	2,635	2,635	2,635	2,635	2,635	2,635	2,635	2,635	2,635	7,904	2,635	948	316	$ 32,810	$ 10,937	$ 4,315	$ 1,438
1,001-3,300	8,063	3,897	3,897	3,897	3,897	3,897	3,897	3,897	3,897	3,897	11,691	3,897	1,403	468	$ 48,531	$ 16,177	$ 6,383	$ 2,128
3,301-10,000	4,943	2,389	2,389	2,389	2,389	2,389	2,389	2,389	2,389	2,389	7,167	2,389	860	287	$ 29,752	$ 9,917	$ 3,913	$ 1,304
10,001-25,000	2,289	1,106	1,106	1,106	1,106	1,106	1,106	1,106	1,106	1,106	3,319	1,106	398	133	$ 13,778	$ 4,593	$ 1,812	$ 604
25,001-50,000	1,041	503	503	503	503	503	503	503	503	503	1,509	503	181	60	$ 6,266	$ 2,089	$ 824	$ 275
50,001-75,000	362	175	175	175	175	175	175	175	175	175	525	175	63	21	$ 2,179	$ 726	$ 287	$ 96
75,001-100,000	177	86	86	86	86	86	86	86	86	86	257	86	31	10	$ 1,065	$ 355	$ 140	$ 47
100,001-500,000	366	177	177	177	177	177	177	177	177	177	531	177	64	21	$ 2,203	$ 734	$ 290	$ 97
500,001-1,000,000	40	19	19	19	19	19	19	19	19	19	58	19	7	2	$ 241	$ 80	$ 32	$ 11
> 1,000,000	22	11	11	11	11	11	11	11	11	11	32	11	4	1	$ 132	$ 44	$ 17	$ 6
Total	50,431	24,375	24,375	24,375	24,375	24,375	24,375	24,375	24,375	24,375	73,125	24,375	8,775	2,925	$ 303,545	$ 101,182	$ 39,921	$ 13,307

CERTIFYING CUSTOMER NOTIFICATION OF SAMPLING - REPORTING BURDEN AND COST - NTNCWSs

Totals																		
		Reporting Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Reporting Events	Annual Reporting Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	8,593	4,153	4,153	4,153	4,153	4,153	4,153	4,153	4,153	4,153	12,460	4,153	1,495	498	$ 51,721	$ 17,240	$ 6,802	$ 2,267
101-500	6,537	3,160	3,160	3,160	3,160	3,160	3,160	3,160	3,160	3,160	9,479	3,160	1,137	379	$ 39,346	$ 13,115	$ 5,175	$ 1,725
501-1,000	1,631	788	788	788	788	788	788	788	788	788	2,365	788	284	95	$ 9,817	$ 3,272	$ 1,291	$ 430
1,001-3,300	874	422	422	422	422	422	422	422	422	422	1,267	422	152	51	$ 5,261	$ 1,754	$ 692	$ 231
3,301-10,000	145	70	70	70	70	70	70	70	70	70	210	70	25	8	$ 873	$ 291	$ 115	$ 38
10,001-25,000	7	3	3	3	3	3	3	3	3	3	10	3	1	0	$ 42	$ 14	$ 6	$ 2
25,001-50,000	8	4	4	4	4	4	4	4	4	4	12	4	1	0	$ 48	$ 16	$ 6	$ 2
50,001-75,000	1	0	0	0	0	0	0	0	0	0	1	0	0	0	$ 6	$ 2	$ 1	$ 0
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	1	0	0	0	0	0	0	0	0	0	1	0	0	0	$ 6	$ 2	$ 1	$ 0
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	17,797	8,602	8,602	8,602	8,602	8,602	8,602	8,602	8,602	8,602	25,806	8,602	3,097	1,032	$ 107,120	$ 35,707	$ 14,088	$ 4,696

Note: Burden for customer notification certification is shown in this section because this activity is part of the requirements for reporting to the state. However, the total burden for this activity is included in the burden for public education in Exhibits 33a and 34 in the public education model for the LCR rather than in the total for system reporting.

Exhibit 39 - MOVING TAP MONITORING LOCATION - REPORTING BURDEN AND COST

Totals																			
		Reporting Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)								
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Reporting Events	Annual Reporting Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	12,182	4,494	1,196	757	3,885	1,196	757	3,885	1,196	757	5,838	1,946	17,513	5,838	$ 605,792	$ 201,931	$ -	$ -
101-500	15,495	5,887	1,694	1,135	5,112	1,694	1,135	5,112	1,694	1,135	7,941	2,647	23,822	7,941	$ 824,033	$ 274,678	$ -	$ -
501-1,000	5,451	2,038	567	368	1,765	567	368	1,765	567	368	2,700	900	8,100	2,700	$ 280,195	$ 93,398	$ -	$ -
1,001-3,300	8,063	3,011	836	542	2,608	836	542	2,608	836	542	3,986	1,329	11,957	3,986	$ 413,599	$ 137,866	$ -	$ -
3,301-10,000	4,943	432	192	2,046	432	192	2,046	432	192	2,046	2,669	890	8,007	2,669	$ 276,978	$ 92,326	$ -	$ -
10,001-25,000	2,289	197	86	944	197	86	944	197	86	944	1,227	409	3,680	1,227	$ 127,281	$ 42,427	$ -	$ -
25,001-50,000	1,041	90	39	430	90	39	430	90	39	430	559	186	1,676	559	$ 57,959	$ 19,320	$ -	$ -
50,001-75,000	362	8	189	8	8	189	8	8	189	8	205	68	614	205	$ 21,222	$ 7,074	$ -	$ -
75,001-100,000	177	2	91	2	2	91	2	2	91	2	95	32	284	95	$ 9,807	$ 3,269	$ -	$ -
100,001-500,000	366	2	185	2	2	185	2	2	185	2	189	63	567	189	$ 19,614	$ 6,538	$ -	$ -
500,001-1,000,000	40	-	20	-	-	20	-	-	20	-	20	7	60	20	$ 2,076	$ 692	$ -	$ -
> 1,000,000	22	-	11	-	-	11	-	-	11	-	11	4	33	11	$ 1,142	$ 381	$ -	$ -
Total	50,431	16,159	5,104	6,233	14,100	5,104	6,233	14,100	5,104	6,233	25,437	8,479	76,310	25,437	$ 2,639,698	$ 879,899	$ -	$ -

Exhibit 40 - EXPLANATION OF CHANGES IN TREATMENT TYPE OR ADDITION OF A NEW SOURCE - REPORTING BURDEN AND COST

Totals																			
		Reporting Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)								
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Reporting Events	Annual Reporting Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	416	309	83	54	267	83	54	267	83	54	404	135	3,232	1,077	$ 111,801	$ 37,267	$ -	$ -
101-500	441	338	100	68	294	100	68	294	100	68	462	154	3,696	1,232	$ 127,852	$ 42,617	$ -	$ -
501-1,000	142	107	30	20	93	30	20	93	30	20	143	48	1,144	381	$ 39,573	$ 13,191	$ -	$ -
1,001-3,300	179	134	38	25	116	38	25	116	38	25	179	60	1,432	477	$ 49,536	$ 16,512	$ -	$ -
3,301-10,000	102	18	8	84	18	8	84	18	8	84	110	37	880	293	$ 30,441	$ 10,147	$ -	$ -
10,001-25,000	46	8	3	38	8	3	38	8	3	38	49	16	392	131	$ 13,560	$ 4,520	$ -	$ -
25,001-50,000	21	4	2	17	4	2	17	4	2	17	23	8	184	61	$ 6,365	$ 2,122	$ -	$ -
50,001-75,000	7	-	8	-	-	8	-	-	8	-	8	3	64	21	$ 2,214	$ 738	$ -	$ -
75,001-100,000	4	-	4	-	-	4	-	-	4	-	4	1	32	11	$ 1,107	$ 369	$ -	$ -
100,001-500,000	7	-	7	-	-	7	-	-	7	-	7	2	56	19	$ 1,937	$ 646	$ -	$ -
500,001-1,000,000	1	-	1	-	-	1	-	-	1	-	1	0	8	3	$ 277	$ 92	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	1,366	918	284	306	800	284	306	800	284	306	1,390	463	11,120	3,707	$ 384,663	$ 128,221	$ -	$ -

Note: Assumes 2 percent of systems conducting monitoring will change treatment or add a new source.

Exhibit 41 - WAIVER REQUESTS - REPORTING BURDEN AND COST

Totals																	
		Requests by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Reporting Events	Annual Reporting Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	2,078	-	-	-	-	-	-	-	-	2,078	-	-	-	-	$ -	$ -	$ -	$ -
101-500	2,203	-	-	-	-	-	-	-	-	2,203	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	708	-	-	-	-	-	-	-	-	708	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	894	-	-	-	-	-	-	-	-	894	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	5,883	-	-	-	-	-	-	-	-	5,883	-	-	-	-	$ -	$ -	$ -	$ -

Note: Assumes 10 percent of small systems will apply for waivers/waiver renewals.

Exhibit 42 - WQP MONITORING - REPORTING BURDEN AND COST

Totals																	
		Reporting Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Reporting Events	Annual Reporting Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	604	604	604	604	604	604	604	604	604	604	1,812	604	9,060	3,020	$ 313,404	$ 104,468	$ 989	$ 330
101-500	594	594	594	594	594	594	594	594	594	594	1,782	594	8,910	2,970	$ 308,215	$ 102,738	$ 973	$ 324
501-1,000	140	140	140	140	140	140	140	140	140	140	420	140	2,100	700	$ 72,643	$ 24,214	$ 229	$ 76
1,001-3,300	166	166	166	166	166	166	166	166	166	166	498	166	2,490	830	$ 86,134	$ 28,711	$ 272	$ 91
3,301-10,000	76	76	76	76	76	76	76	76	76	76	228	76	1,140	380	$ 39,435	$ 13,145	$ 124	$ 41
10,001-25,000	30	30	30	30	30	30	30	30	30	30	90	30	450	150	$ 15,566	$ 5,189	$ 49	$ 16
25,001-50,000	14	14	14	14	14	14	14	14	14	14	42	14	210	70	$ 7,264	$ 2,421	$ 23	$ 8
50,001-75,000	8	8	8	8	8	8	8	8	8	8	24	8	120	40	$ 4,151	$ 1,384	$ 13	$ 4
75,001-100,000	2	2	2	2	2	2	2	2	2	2	6	2	30	10	$ 1,038	$ 346	$ 3	$ 1
100,001-500,000	2	2	2	2	2	2	2	2	2	2	6	2	30	10	$ 1,038	$ 346	$ 3	$ 1
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	4,908	1,636	24,540	8,180	$ 848,888	$ 282,963	$ 2,679	$ 893

Note: Applies to all systems conducting WQP monitoring.

Exhibit 43 - SOURCE WATER MONITORING - REPORTING BURDEN AND COST

CWS - Ground Water Systems

Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	130	-	-	-	-	-	-	4	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	152	-	-	-	-	-	-	5	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	36	-	-	-	-	-	-	1	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	44	-	-	-	-	-	-	1	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	21	-	-	-	-	20	1	-	-	-	20	7	10	3	$ 346	$ 115	$ 11	$ 4
10,001-25,000	6	-	-	-	-	6	-	-	-	-	6	2	3	1	$ 104	$ 35	$ 3	$ 1
25,001-50,000	2	-	-	-	-	2	-	-	-	-	2	1	1	0	$ 35	$ 12	$ 1	$ 0
50,001-75,000	23	-	22	-	1	22	-	-	22	-	23	8	12	4	$ 398	$ 133	$ 13	$ 4
75,001-100,000	10	-	10	-	-	10	-	-	10	-	10	3	5	2	$ 173	$ 58	$ 5	$ 2
100,001-500,000	22	-	22	-	-	22	-	-	22	-	22	7	11	4	$ 381	$ 127	$ 12	$ 4
500,001-1,000,000	1	-	1	-	-	1	-	-	1	-	1	0	1	0	$ 17	$ 6	$ 1	$ 0
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	447	-	55	-	1	83	1	11	55	-	84	28	42	14	$ 1,453	$ 484	$ 46	$ 15

NTNCWS - Ground Water Systems

Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	155	-	-	-	-	-	-	5	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	117	-	-	-	-	-	-	4	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	24	-	-	-	-	-	-	1	-	-	-	-	-	-	$ -	$ -	$ -	$ -
2. An old version of	18	-	-	-	-	-	-	1	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	1	-	1	-	-	1	-	-	-	-	1	0	1	0	$ 17	$ 6	$ 1	$ 0
10,001-25,000	1	-	1	-	-	1	-	-	-	-	1	0	1	0	$ 17	$ 6	$ 1	$ 0
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	316	-	2	-	-	2	-	11	-	-	2	1	1	0	$ 35	$ 12	$ 1	$ 0

Exhibit 43 - SOURCE WATER MONITORING - REPORTING BURDEN AND COST (cont.)

CWS - Surface Water Systems

Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	11	11	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	24	23	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	9	9	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	20	19	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	17	16	-	-	-	-	-	-	-	1	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	8	8	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	4	4	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	41	3	38	-	-	38	-	-	38	-	38	13	19	6	$ 657	$ 219	$ 21	$ 7
75,001-100,000	17	1	16	-	-	16	-	-	16	-	16	5	8	3	$ 277	$ 92	$ 9	$ 3
100,001-500,000	59	2	57	-	-	57	-	-	57	-	57	19	29	10	$ 986	$ 329	$ 31	$ 10
500,001-1,000,000	4	1	3	-	-	3	-	-	3	-	3	1	2	1	$ 52	$ 17	$ 2	$ 1
> 1,000,000	2	-	2	-	-	2	-	-	2	-	2	1	1	0	$ 35	$ 12	$ 1	$ 0
Total	216	97	116	-	-	116	-	-	116	1	116	39	58	19	$ 2,006	$ 669	$ 63	$ 21

NTNCWS - Surface Water Systems

Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	6	6	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	5	5	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	1	1	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	2	2	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	1	1	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	15	15	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

Exhibit 43 - SOURCE WATER MONITORING - REPORTING BURDEN AND COST (cont.)

Totals																		
		Monitoring Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	302	17	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-
101-500	298	28	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-
501-1,000	70	10	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
1,001-3,300	84	21	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
3,301-10,000	40	17	1	-	-	21	1	-	-	1	21	7	11	4	363	121	11	4
10,001-25,000	15	8	1	-	-	7	-	-	-	-	7	2	4	1	121	40	4	1
25,001-50,000	6	4	-	-	-	2	-	-	-	-	2	1	1	0	35	12	1	0
50,001-75,000	64	3	60	-	1	60	-	-	60	-	61	20	31	10	1,055	352	33	11
75,001-100,000	27	1	26	-	-	26	-	-	26	-	26	9	13	4	450	150	14	5
100,001-500,000	81	2	79	-	-	79	-	-	79	-	79	26	40	13	1,366	455	43	14
500,001-1,000,000	5	1	4	-	-	4	-	-	4	-	4	1	2	1	69	23	2	1
> 1,000,000	2	-	2	-	-	2	-	-	2	-	2	1	1	0	35	12	1	0
Total	994	112	173	-	1	201	1	22	171	1	202	67	101	34	3,494	1,165	110	37

Exhibit 44 - ANNUAL LEAD SERVICE LINE REPLACEMENT LETTER - REPORTING BURDEN AND COST

Totals																			
		Reporting Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Reporting Events	Annual Reporting Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	142	142	142	142	142	142	142	142	142	142	426	142	213	71	$ 7,368	$ 2,456	$ 233	$ 78
101-500	176	176	176	176	176	176	176	176	176	176	528	176	264	88	$ 9,132	$ 3,044	$ 288	$ 96
501-1,000	45	45	45	45	45	45	45	45	45	45	135	45	68	23	$ 2,335	$ 778	$ 74	$ 25
1,001-3,300	65	65	65	65	65	65	65	65	65	65	195	65	98	33	$ 3,373	$ 1,124	$ 106	$ 35
3,301-10,000	36	36	36	36	36	36	36	36	36	36	108	36	54	18	$ 1,868	$ 623	$ 59	$ 20
10,001-25,000	15	15	15	15	15	15	15	15	15	15	45	15	23	8	$ 778	$ 259	$ 25	$ 8
25,001-50,000	7	7	7	7	7	7	7	7	7	7	21	7	11	4	$ 363	$ 121	$ 11	$ 4
50,001-75,000	4	4	4	4	4	4	4	4	4	4	12	4	6	2	$ 208	$ 69	$ 7	$ 2
75,001-100,000	1	1	1	1	1	1	1	1	1	1	3	1	2	1	$ 52	$ 17	$ 2	$ 1
100,001-500,000	1	1	1	1	1	1	1	1	1	1	3	1	2	1	$ 52	$ 17	$ 2	$ 1
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	492	492	492	492	492	492	492	492	492	492	1,476	492	738	246	$ 25,529	$ 8,510	$ 806	$ 269

Exhibit 45 - PARTIAL LEAD SERVICE LINE REPLACEMENT LETTER - REPORTING BURDEN AND COST

Totals																			
		Reporting Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Reporting Events	Annual Reporting Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	107	959	959	959	959	959	959	959	959	959	2,876	959	1,438	479	$ 49,735	$ 16,578	$ 1,570	$ 523
101-500	132	1,188	1,188	1,188	1,188	1,188	1,188	1,188	1,188	1,188	3,564	1,188	1,782	594	$ 61,643	$ 20,548	$ 1,946	$ 649
501-1,000	34	304	304	304	304	304	304	304	304	304	911	304	456	152	$ 15,761	$ 5,254	$ 497	$ 166
1,001-3,300	49	439	439	439	439	439	439	439	439	439	1,316	439	658	219	$ 22,766	$ 7,589	$ 719	$ 240
3,301-10,000	27	243	243	243	243	243	243	243	243	243	729	243	365	122	$ 12,609	$ 4,203	$ 398	$ 133
10,001-25,000	11	101	101	101	101	101	101	101	101	101	304	101	152	51	$ 5,254	$ 1,751	$ 166	$ 55
25,001-50,000	5	47	47	47	47	47	47	47	47	47	142	47	71	24	$ 2,452	$ 817	$ 77	$ 26
50,001-75,000	3	27	27	27	27	27	27	27	27	27	81	27	41	14	$ 1,401	$ 467	$ 44	$ 15
75,001-100,000	1	7	7	7	7	7	7	7	7	7	20	7	10	3	$ 350	$ 117	$ 11	$ 4
100,001-500,000	1	7	7	7	7	7	7	7	7	7	20	7	10	3	$ 350	$ 117	$ 11	$ 4
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	369	3,321	3,321	3,321	3,321	3,321	3,321	3,321	3,321	3,321	9,963	3,321	4,982	1,661	$ 172,320	$ 57,440	$ 5,439	$ 1,813

Exhibit 46 - PUBLIC EDUCATION - REPORTING BURDEN AND COST

Totals																			
		Reporting Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Reporting Events	Annual Reporting Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	302	302	302	302	302	302	302	302	302	302	907	302	907	302	$ 31,375	$ 10,458	$ 495	$ 165
101-500	297	297	297	297	297	297	297	297	297	297	892	297	892	297	$ 30,856	$ 10,285	$ 487	$ 162
501-1,000	71	71	71	71	71	71	71	71	71	71	213	71	213	71	$ 7,368	$ 2,456	$ 116	$ 39
1,001-3,300	84	84	84	84	84	84	84	84	84	84	252	84	252	84	$ 8,717	$ 2,906	$ 138	$ 46
3,301-10,000	39	39	39	39	39	39	39	39	39	39	116	39	116	39	$ 4,013	$ 1,338	$ 63	$ 21
10,001-25,000	16	16	16	16	16	16	16	16	16	16	48	16	48	16	$ 1,660	$ 553	$ 26	$ 9
25,001-50,000	7	7	7	7	7	7	7	7	7	7	21	7	21	7	$ 726	$ 242	$ 11	$ 4
50,001-75,000	4	4	4	4	4	4	4	4	4	4	12	4	12	4	$ 415	$ 138	$ 7	$ 2
75,001-100,000	1	1	1	1	1	1	1	1	1	1	3	1	3	1	$ 104	$ 35	$ 2	$ 1
100,001-500,000	2	2	2	2	2	2	2	2	2	2	7	2	7	2	$ 242	$ 81	$ 4	$ 1
500,001-1,000,000	1	1	1	1	1	1	1	1	1	1	2	1	2	1	$ 69	$ 23	$ 1	$ 0
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	824	824	824	824	824	824	824	824	824	824	2,473	824	2,473	824	$ 85,546	$ 28,515	$ 1,350	$ 450

Exhibit 47 - REPORTING BURDEN AND COST SUMMARY (Excluding Customer Notification Certification)

Totals																			
		Reporting Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Reporting Events	Annual Reporting Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	20,775	22,268	7,448	5,498	19,523	7,448	5,498	19,532	7,448	7,575	32,469	10,823	57,621	19,207	$ 2,517,476	$ 839,159	$ 14,318	$ 4,773
101-500	22,032	25,432	9,024	6,856	22,383	9,024	6,856	22,392	9,024	9,060	38,264	12,755	68,234	22,745	$ 2,959,536	$ 986,512	$ 16,302	$ 5,434
501-1,000	7,082	8,053	2,670	1,947	7,049	2,670	1,947	7,051	2,670	2,655	11,665	3,888	21,009	7,003	$ 912,057	$ 304,019	$ 4,816	$ 1,605
1,001-3,300	8,937	10,639	3,518	2,563	9,301	3,518	2,563	9,303	3,518	3,456	15,382	5,127	28,081	9,360	$ 1,203,737	$ 401,246	$ 6,124	$ 2,041
3,301-10,000	5,088	1,752	994	6,738	1,735	1,014	6,739	1,735	993	6,739	9,487	3,162	17,455	5,818	$ 746,634	$ 248,878	$ 3,662	$ 1,221
10,001-25,000	2,296	769	423	3,037	761	429	3,037	761	422	3,037	4,227	1,409	8,127	2,709	$ 344,904	$ 114,968	$ 1,611	$ 537
25,001-50,000	1,049	354	194	1,387	350	196	1,387	350	194	1,387	1,933	644	3,718	1,239	$ 157,787	$ 52,596	$ 738	$ 246
50,001-75,000	363	70	678	67	68	678	67	67	678	67	813	271	1,450	483	$ 60,804	$ 20,268	$ 328	$ 109
75,001-100,000	177	18	312	17	17	312	17	17	312	17	346	115	633	211	$ 26,800	$ 8,933	$ 135	$ 45
100,001-500,000	367	20	654	18	18	654	18	18	654	18	690	230	1,280	427	$ 54,098	$ 18,033	$ 270	$ 90
500,001-1,000,000	40	2	66	1	1	66	1	1	66	1	67	22	132	44	$ 5,604	$ 1,868	$ 25	$ 8
> 1,000,000	22	-	35	-	-	35	-	-	35	-	35	12	67	22	$ 2,888	$ 963	$ 13	$ 4
Total	68,228	69,377	26,014	28,128	61,207	26,042	28,129	61,228	26,012	34,012	115,378	38,459	207,807	69,269	$ 8,992,324	$ 2,997,441	$ 48,343	$ 16,114

Note: Burden for customer notification certification is shown in Exhibit 38 because this activity is part of the requirements for reporting to the state. However, the total burden for this activity is included in the burden for public education in Exhibits 33a and 34 in the public education model for the LCR rather than in the total for system reporting.

Exhibit 48 - STATE REVIEW - BURDEN AND COST ASSUMPTIONS

Size Category	Review Burden per Event										Labor Rate	O&M Cost Per Event (Postage)	Review of Self Certification Letter	Burden for Consulting on Public Education and Reviewing Notification Letters
	Tap Sample Letter	Tap Sample Calcs.	Move Tap Monitoring Location	Explain Treatment or Source Change	Monitoring Waiver Application	WQP Monitoring (Annual)	Source Water Monitoring Letter	Public Education Letter	LSL Letter (Annual)	Partial LSL Letter				
≤100	1.0	0.25	1.0	8.0	0.5	6.83	0.5	0.5	0.5	0.5	$ 45.60	$ 0.49	1.0	2.3
101-500	1.0	0.25	1.0	8.0	0.5	6.83	0.5	0.5	0.5	0.5	$ 45.60	$ 0.49	1.0	2.3
501-1,000	1.0	0.25	1.0	8.0	0.5	6.83	0.5	0.5	0.5	0.5	$ 45.60	$ 0.49	1.0	2.3
1,001-3,300	1.0	0.25	1.0	8.0	0.5	6.83	0.5	0.5	0.5	0.5	$ 45.60	$ 0.49	1.0	2.3
3,301-10,000	1.0	0.5	1.0	8.0	N/A	6.83	0.5	0.5	0.5	0.5	$ 45.60	$ 0.49	1.0	2.3
10,001-25,000	1.0	0.75	1.0	8.0	N/A	6.83	0.5	0.5	0.5	0.5	$ 45.60	$ 0.49	1.0	2.3
25,001-50,000	1.0	0.75	1.0	8.0	N/A	6.83	0.5	0.5	0.5	0.5	$ 45.60	$ 0.49	1.0	2.3
50,001-75,000	1.0	0.75	1.0	8.0	N/A	6.83	0.5	0.5	0.5	0.5	$ 45.60	$ 0.49	1.0	2.3
75,001-100,000	1.0	0.75	1.0	8.0	N/A	6.83	0.5	0.5	0.5	0.5	$ 45.60	$ 0.49	1.0	2.3
100,001-500,000	1.0	1.0	1.0	8.0	N/A	6.83	0.5	0.5	0.5	0.5	$ 45.60	$ 0.49	1.0	2.3
500,001-1,000,000	1.0	1.0	1.0	8.0	N/A	6.83	0.5	0.5	0.5	0.5	$ 45.60	$ 0.49	1.0	2.3
> 1,000,000	1.0	1.0	1.0	8.0	N/A	6.83	0.5	0.5	0.5	0.5	$ 45.60	$ 0.49	1.0	2.3

Note: Burden estimates take into account the results of the May 2015 consultation with water industry representatives.

Exhibit 49 - Labor Rates

State Labor Rate	$45.60

System Labor Rates	
≤100	$34.59
101-500	$34.59
501-1,000	$34.59
1,001-3,300	$34.59
3,301-10,000	$34.59
10,001-25,000	$34.59
25,001-50,000	$34.59
50,001-75,000	$34.59
75,001-100,000	$34.59
100,001-500,000	$34.59
500,001-1,000,000	$34.59
> 1,000,000	$34.59

Postage	$ 0.49

PWS Labor Rate			
Base (Hourly)	$21.62	2013$	National Occupational Employment and Wage Estimates, United States, BLS SOC Code 51-8031, "Local Government - Water and Liquid Waste Treatment Plant and System Operators". May 2013 data (published in April 2014).
Load Factor	1.6		
Inflation Factor	1.0	1	ECI New
Total	$34.59	1	ECI Base

State Labor Rate			
Base (Hourly)	$28.50	2013$	National Occupational Employment and Wage Estimates, United States, BLS SOC Code 19-2041, "State Government - Environmental Scientists and Specialists, Including Health". May 2013 data (published in April 2014).
Load Factor	1.6		
Inflation Factor	1.0	1	ECI New
Total	$45.60	1	ECI Base

Exhibit 50 - Review of System Certification of Customer Notice - Burden and Cost

Review of Self Certification Letters - CWS

Size Category	Number of Systems	Monitoring Event Reviews by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Burden and Cost for ICR Period (2016-2018) Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	12,182	5,888	5,888	5,888	5,888	5,888	5,888	5,888	5,888	5,888	17,664	5,888	17,664	5,888	$ 805,474	$ 268,491	$ -	$ -
101-500	15,495	7,489	7,489	7,489	7,489	7,489	7,489	7,489	7,489	7,489	22,468	7,489	22,468	7,489	$ 1,024,529	$ 341,510	$ -	$ -
501-1,000	5,451	2,635	2,635	2,635	2,635	2,635	2,635	2,635	2,635	2,635	7,904	2,635	7,904	2,635	$ 360,420	$ 120,140	$ -	$ -
1,001-3,300	8,063	3,897	3,897	3,897	3,897	3,897	3,897	3,897	3,897	3,897	11,691	3,897	11,691	3,897	$ 533,126	$ 177,709	$ -	$ -
3,301-10,000	4,943	2,389	2,389	2,389	2,389	2,389	2,389	2,389	2,389	2,389	7,167	2,389	7,167	2,389	$ 326,831	$ 108,944	$ -	$ -
10,001-25,000	2,289	1,106	1,106	1,106	1,106	1,106	1,106	1,106	1,106	1,106	3,319	1,106	3,319	1,106	$ 151,349	$ 50,450	$ -	$ -
25,001-50,000	1,041	503	503	503	503	503	503	503	503	503	1,509	503	1,509	503	$ 68,831	$ 22,944	$ -	$ -
50,001-75,000	362	175	175	175	175	175	175	175	175	175	525	175	525	175	$ 23,935	$ 7,978	$ -	$ -
75,001-100,000	177	86	86	86	86	86	86	86	86	86	257	86	257	86	$ 11,703	$ 3,901	$ -	$ -
100,001-500,000	366	177	177	177	177	177	177	177	177	177	531	177	531	177	$ 24,200	$ 8,067	$ -	$ -
500,001-1,000,000	40	19	19	19	19	19	19	19	19	19	58	19	58	19	$ 2,645	$ 882	$ -	$ -
> 1,000,000	22	11	11	11	11	11	11	11	11	11	32	11	32	11	$ 1,455	$ 485	$ -	$ -
Total	50,431	24,375	24,375	24,375	24,375	24,375	24,375	24,375	24,375	24,375	73,125	24,375	73,125	24,375	$ 3,334,498	$ 1,111,499	$ -	$ -

Review of Self Certification Letters NTNCWSs

Size Category	Number of Systems	Monitoring Event Reviews by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Burden and Cost for ICR Period (2016-2018) Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	8,593	4,153	4,153	4,153	4,153	4,153	4,153	4,153	4,153	4,153	12,460	4,153	12,460	4,153	$ 568,169	$ 189,390	$ -	$ -
101-500	6,537	3,160	3,160	3,160	3,160	3,160	3,160	3,160	3,160	3,160	9,479	3,160	9,479	3,160	$ 432,226	$ 144,075	$ -	$ -
501-1,000	1,631	788	788	788	788	788	788	788	788	788	2,365	788	2,365	788	$ 107,842	$ 35,947	$ -	$ -
1,001-3,300	874	422	422	422	422	422	422	422	422	422	1,267	422	1,267	422	$ 57,789	$ 19,263	$ -	$ -
3,301-10,000	145	70	70	70	70	70	70	70	70	70	210	70	210	70	$ 9,587	$ 3,196	$ -	$ -
10,001-25,000	7	3	3	3	3	3	3	3	3	3	10	3	10	3	$ 463	$ 154	$ -	$ -
25,001-50,000	8	4	4	4	4	4	4	4	4	4	12	4	12	4	$ 529	$ 176	$ -	$ -
50,001-75,000	1	0	0	0	0	0	0	0	0	0	1	0	1	0	$ 66	$ 22	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	1	0	0	0	0	0	0	0	0	0	1	0	1	0	$ 66	$ 22	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	17,797	8,602	8,602	8,602	8,602	8,602	8,602	8,602	8,602	8,602	25,806	8,602	25,806	8,602	$ 1,176,738	$ 392,246	$ -	$ -

Totals

Size Category	Number of Systems	Monitoring Event Reviews by Year (Representing 9-Year Cycle) 2014	2015	2016	2017	2018	2019	2020	2021	2022	Summary of Burden and Cost for ICR Period (2016-2018) Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	20,775	10,041	10,041	10,041	10,041	10,041	10,041	10,041	10,041	10,041	30,124	10,041	30,124	10,041	$ 1,373,643	$ 457,881	$ -	$ -
101-500	22,032	10,649	10,649	10,649	10,649	10,649	10,649	10,649	10,649	10,649	31,946	10,649	31,946	10,649	$ 1,456,756	$ 485,585	$ -	$ -
501-1,000	7,082	3,423	3,423	3,423	3,423	3,423	3,423	3,423	3,423	3,423	10,269	3,423	10,269	3,423	$ 468,262	$ 156,087	$ -	$ -
1,001-3,300	8,937	4,320	4,320	4,320	4,320	4,320	4,320	4,320	4,320	4,320	12,959	4,320	12,959	4,320	$ 590,914	$ 196,971	$ -	$ -
3,301-10,000	5,088	2,459	2,459	2,459	2,459	2,459	2,459	2,459	2,459	2,459	7,378	2,459	7,378	2,459	$ 336,419	$ 112,140	$ -	$ -
10,001-25,000	2,296	1,110	1,110	1,110	1,110	1,110	1,110	1,110	1,110	1,110	3,329	1,110	3,329	1,110	$ 151,812	$ 50,604	$ -	$ -
25,001-50,000	1,049	507	507	507	507	507	507	507	507	507	1,521	507	1,521	507	$ 69,360	$ 23,120	$ -	$ -
50,001-75,000	363	175	175	175	175	175	175	175	175	175	526	175	526	175	$ 24,002	$ 8,001	$ -	$ -
75,001-100,000	177	86	86	86	86	86	86	86	86	86	257	86	257	86	$ 11,703	$ 3,901	$ -	$ -
100,001-500,000	367	177	177	177	177	177	177	177	177	177	532	177	532	177	$ 24,266	$ 8,089	$ -	$ -
500,001-1,000,000	40	19	19	19	19	19	19	19	19	19	58	19	58	19	$ 2,645	$ 882	$ -	$ -
> 1,000,000	22	11	11	11	11	11	11	11	11	11	32	11	32	11	$ 1,455	$ 485	$ -	$ -
Total	68,228	32,977	32,977	32,977	32,977	32,977	32,977	32,977	32,977	32,977	98,931	32,977	98,931	32,977	$ 4,511,235	$ 1,503,745	$ -	$ -

Exhibit 51 - Review of Tap Monitoring Reports - Burden and Cost

Reduced Monitoring - State Performing Calculations

Size Category	Number of Systems	Monitoring Event Reviews by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	10,388	7,721	2,081	1,340	6,683	2,081	1,340	6,683	2,081	1,340	10,104	3,368	12,629	4,210	$ 575,900	$ 191,967	$ 4,951	$ 1,650
101-500	11,016	8,462	2,488	1,699	7,361	2,488	1,699	7,361	2,488	1,699	11,548	3,849	14,434	4,811	$ 658,208	$ 219,403	$ 5,658	$ 1,886
501-1,000	3,541	2,670	757	500	2,316	757	500	2,316	757	500	3,572	1,191	4,464	1,488	$ 203,576	$ 67,859	$ 1,750	$ 583
1,001-3,300	4,469	3,360	945	621	2,912	945	621	2,912	945	621	4,478	1,493	5,598	1,866	$ 255,246	$ 85,082	$ 2,194	$ 731
3,301-10,000	2,544	446	200	2,108	446	200	2,108	446	200	2,108	2,753	918	4,130	1,377	$ 188,305	$ 62,768	$ 1,349	$ 450
10,001-25,000	1,148	197	86	947	197	86	947	197	86	947	1,229	410	2,151	717	$ 98,074	$ 32,691	$ 602	$ 201
25,001-50,000	525	91	39	433	91	39	433	91	39	433	562	187	984	328	$ 44,848	$ 14,949	$ 275	$ 92
50,001-75,000	182	8	189	8	8	189	8	8	189	8	205	68	359	120	$ 16,359	$ 5,453	$ 100	$ 33
75,001-100,000	89	2	91	2	2	91	2	2	91	2	95	32	165	55	$ 7,541	$ 2,514	$ 46	$ 15
100,001-500,000	184	2	186	2	2	186	2	2	186	2	190	63	379	126	$ 17,282	$ 5,761	$ 93	$ 31
500,001-1,000,000	20	-	20	-	-	20	-	-	20	-	20	7	40	13	$ 1,824	$ 608	$ 10	$ 3
> 1,000,000	11	-	11	-	-	11	-	-	11	-	11	4	22	7	$ 1,003	$ 334	$ 5	$ 2
Total	34,114	22,958	7,090	7,658	20,017	7,090	7,658	20,017	7,090	7,658	34,765	11,588	45,355	15,118	$ 2,068,165	$ 689,388	$ 17,035	$ 5,678

Reduced Monitoring - System Performing Calculations

Size Category	Number of Systems	Monitoring Event Reviews by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	10,388	7,721	2,081	1,340	6,683	2,081	1,340	6,683	2,081	1,340	10,104	3,368	10,104	3,368	$ 460,720	$ 153,573	$ -	$ -
101-500	11,016	8,462	2,488	1,699	7,361	2,488	1,699	7,361	2,488	1,699	11,548	3,849	11,548	3,849	$ 526,566	$ 175,522	$ -	$ -
501-1,000	3,541	2,670	757	500	2,316	757	500	2,316	757	500	3,572	1,191	3,572	1,191	$ 162,860	$ 54,287	$ -	$ -
1,001-3,300	4,469	3,360	945	621	2,912	945	621	2,912	945	621	4,478	1,493	4,478	1,493	$ 204,197	$ 68,066	$ -	$ -
3,301-10,000	2,544	446	200	2,108	446	200	2,108	446	200	2,108	2,753	918	2,753	918	$ 125,537	$ 41,846	$ -	$ -
10,001-25,000	1,148	197	86	947	197	86	947	197	86	947	1,229	410	1,229	410	$ 56,042	$ 18,681	$ -	$ -
25,001-50,000	525	91	39	433	91	39	433	91	39	433	562	187	562	187	$ 25,627	$ 8,542	$ -	$ -
50,001-75,000	182	8	189	8	8	189	8	8	189	8	205	68	205	68	$ 9,348	$ 3,116	$ -	$ -
75,001-100,000	89	2	91	2	2	91	2	2	91	2	95	32	95	32	$ 4,309	$ 1,436	$ -	$ -
100,001-500,000	184	2	186	2	2	186	2	2	186	2	190	63	190	63	$ 8,641	$ 2,880	$ -	$ -
500,001-1,000,000	20	-	20	-	-	20	-	-	20	-	20	7	20	7	$ 912	$ 304	$ -	$ -
> 1,000,000	11	-	11	-	-	11	-	-	11	-	11	4	11	4	$ 502	$ 167	$ -	$ -
Total	34,114	22,958	7,090	7,658	20,017	7,090	7,658	20,017	7,090	7,658	34,765	11,588	34,765	11,588	$ 1,585,261	$ 528,420	$ -	$ -

Totals

Size Category	Number of Systems	Monitoring Event Reviews by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	20,775	15,442	4,162	2,680	13,365	4,162	2,680	13,365	4,162	2,680	20,207	6,736	22,733	7,578	$ 1,036,619	$ 345,540	$ 4,951	$ 1,650
101-500	22,032	16,924	4,975	3,398	14,722	4,975	3,398	14,722	4,975	3,398	23,095	7,698	25,982	8,661	$ 1,184,774	$ 394,925	$ 5,658	$ 1,886
501-1,000	7,082	5,339	1,513	999	4,631	1,513	999	4,631	1,513	999	7,143	2,381	8,036	2,679	$ 366,436	$ 122,145	$ 1,750	$ 583
1,001-3,300	8,937	6,719	1,890	1,242	5,824	1,890	1,242	5,824	1,890	1,242	8,956	2,985	10,076	3,359	$ 459,443	$ 153,148	$ 2,194	$ 731
3,301-10,000	5,088	892	399	4,215	892	399	4,215	892	399	4,215	5,506	1,835	6,883	2,294	$ 313,842	$ 104,614	$ 1,349	$ 450
10,001-25,000	2,296	394	171	1,893	394	171	1,893	394	171	1,893	2,458	819	3,380	1,127	$ 154,117	$ 51,372	$ 602	$ 201
25,001-50,000	1,049	181	78	865	181	78	865	181	78	865	1,124	375	1,546	515	$ 70,475	$ 23,492	$ 275	$ 92
50,001-75,000	363	16	378	16	16	378	16	16	378	16	410	137	564	188	$ 25,707	$ 8,569	$ 100	$ 33
75,001-100,000	177	4	181	4	4	181	4	4	181	4	189	63	260	87	$ 11,850	$ 3,950	$ 46	$ 15
100,001-500,000	367	4	371	4	4	371	4	4	371	4	379	126	569	190	$ 25,924	$ 8,641	$ 93	$ 31
500,001-1,000,000	40	-	40	-	-	40	-	-	40	-	40	13	60	20	$ 2,736	$ 912	$ 10	$ 3
> 1,000,000	22	-	22	-	-	22	-	-	22	-	22	7	33	11	$ 1,505	$ 502	$ 5	$ 2
Total	68,228	45,915	14,180	15,316	40,033	14,180	15,316	40,033	14,180	15,316	69,529	23,176	80,119	26,706	$ 3,653,426	$ 1,217,809	$ 17,035	$ 5,678

Exhibit 52 - Review of Tap Monitoring Location Change Letters - Burden and Cost

Totals																		
		Reviews by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Reviews	Annual Reviews	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	12,182	4,494	1,196	757	3,885	1,196	757	3,885	1,196	757	5,838	1,946	5,838	1,946	$ 266,190	$ 88,730	$ -	$ -
101-500	15,495	5,887	1,694	1,135	5,112	1,694	1,135	5,112	1,694	1,135	7,941	2,647	7,941	2,647	$ 362,087	$ 120,696	$ -	$ -
501-1,000	5,451	2,038	567	368	1,765	567	368	1,765	567	368	2,700	900	2,700	900	$ 123,120	$ 41,040	$ -	$ -
1,001-3,300	8,063	3,011	836	542	2,608	836	542	2,608	836	542	3,986	1,329	3,986	1,329	$ 181,739	$ 60,580	$ -	$ -
3,301-10,000	4,943	432	192	2,046	432	192	2,046	432	192	2,046	2,669	890	2,669	890	$ 121,706	$ 40,569	$ -	$ -
10,001-25,000	2,289	197	86	944	197	86	944	197	86	944	1,227	409	1,227	409	$ 55,928	$ 18,643	$ -	$ -
25,001-50,000	1,041	90	39	430	90	39	430	90	39	430	559	186	559	186	$ 25,468	$ 8,489	$ -	$ -
50,001-75,000	362	8	189	8	8	189	8	8	189	8	205	68	205	68	$ 9,325	$ 3,108	$ -	$ -
75,001-100,000	177	2	91	2	2	91	2	2	91	2	95	32	95	32	$ 4,309	$ 1,436	$ -	$ -
100,001-500,000	366	2	185	2	2	185	2	2	185	2	189	63	189	63	$ 8,618	$ 2,873	$ -	$ -
500,001-1,000,000	40	-	20	-	-	20	-	-	20	-	20	7	20	7	$ 912	$ 304	$ -	$ -
> 1,000,000	22	-	11	-	-	11	-	-	11	-	11	4	11	4	$ 502	$ 167	$ -	$ -
Total	50,431	16,159	5,104	6,233	14,100	5,104	6,233	14,100	5,104	6,233	25,437	8,479	25,437	8,479	$ 1,159,904	$ 386,635	$ -	$ -

Exhibit 53 - Review of Explanation of Changes in Treatment Type or Addition of a New Source - Burden and Cost

Totals																		
		Reviews by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Reviews	Annual Reviews	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	416	309	83	54	267	83	54	267	83	54	404	135	3,233	1,078	$ 147,430	$ 49,143	$ -	$ -
101-500	441	338	100	68	294	100	68	294	100	68	462	154	3,695	1,232	$ 168,501	$ 56,167	$ -	$ -
501-1,000	142	107	30	20	93	30	20	93	30	20	143	48	1,143	381	$ 52,115	$ 17,372	$ -	$ -
1,001-3,300	179	134	38	25	116	38	25	116	38	25	179	60	1,433	478	$ 65,343	$ 21,781	$ -	$ -
3,301-10,000	102	18	8	84	18	8	84	18	8	84	110	37	881	294	$ 40,172	$ 13,391	$ -	$ -
10,001-25,000	46	8	3	38	8	3	38	8	3	38	49	16	393	131	$ 17,934	$ 5,978	$ -	$ -
25,001-50,000	21	4	2	17	4	2	17	4	2	17	22	7	180	60	$ 8,201	$ 2,734	$ -	$ -
50,001-75,000	7	0	8	0	0	8	0	0	8	0	8	3	66	22	$ 2,991	$ 997	$ -	$ -
75,001-100,000	4	0	4	0	0	4	0	0	4	0	4	1	30	10	$ 1,379	$ 460	$ -	$ -
100,001-500,000	7	0	7	0	0	7	0	0	7	0	8	3	61	20	$ 2,765	$ 922	$ -	$ -
500,001-1,000,000	1	-	1	-	-	1	-	-	1	-	1	0	6	2	$ 292	$ 97	$ -	$ -
> 1,000,000	0	-	0	-	-	0	-	-	0	-	0	0	4	1	$ 161	$ 54	$ -	$ -
Total	1,365	918	284	306	801	284	306	801	284	306	1,391	464	11,125	3,708	$ 507,284	$ 169,095	$ -	$ -

Exhibit 54 - Review of Monitoring Waiver Requests - Burden and Cost

Totals																	
		Reviews by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Reviews	Annual Reviews	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	2,078	-	-	-	-	-	-	-	-	2,078	-	-	-	-	$ -	$ -	$ -	$ -
101-500	2,203	-	-	-	-	-	-	-	-	2,203	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	708	-	-	-	-	-	-	-	-	708	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	894	-	-	-	-	-	-	-	-	894	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	5,883	-	-	-	-	-	-	-	-	5,883	-	-	-	-	$ -	$ -	$ -	$ -

Exhibit 55 - Review of WQP Monitoring Reports - Burden and Cost

Totals																	
		Reviews by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Reviews	Annual Reviews	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	604	604	604	604	604	604	604	604	604	604	1,812	604	12,376	4,125	$ 564,344	$ 188,115	$ -	$ -
101-500	594	594	594	594	594	594	594	594	594	594	1,782	594	12,171	4,057	$ 555,000	$ 185,000	$ -	$ -
501-1,000	140	140	140	140	140	140	140	140	140	140	420	140	2,869	956	$ 130,808	$ 43,603	$ -	$ -
1,001-3,300	166	166	166	166	166	166	166	166	166	166	498	166	3,401	1,134	$ 155,101	$ 51,700	$ -	$ -
3,301-10,000	76	76	76	76	76	76	76	76	76	76	228	76	1,557	519	$ 71,010	$ 23,670	$ -	$ -
10,001-25,000	30	30	30	30	30	30	30	30	30	30	90	30	615	205	$ 28,030	$ 9,343	$ -	$ -
25,001-50,000	14	14	14	14	14	14	14	14	14	14	42	14	287	96	$ 13,081	$ 4,360	$ -	$ -
50,001-75,000	8	8	8	8	8	8	8	8	8	8	24	8	164	55	$ 7,475	$ 2,492	$ -	$ -
75,001-100,000	2	2	2	2	2	2	2	2	2	2	6	2	41	14	$ 1,869	$ 623	$ -	$ -
100,001-500,000	2	2	2	2	2	2	2	2	2	2	6	2	41	14	$ 1,869	$ 623	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	4,908	1,636	33,522	11,174	$ 1,528,587	$ 509,529	$ -	$ -

Exhibit 56 - Review of Source Water Monitoring Reports - Burden and Cost

CWS - Ground Water Systems

Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	130	-	-	-	-	-	-	4	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	152	-	-	-	-	-	-	5	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	36	-	-	-	-	-	-	1	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	44	-	-	-	-	-	-	1	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	21	-	-	-	-	20	1	-	-	-	20	7	10	3	$ 456	$ 152	$ -	$ -
10,001-25,000	6	-	-	-	-	6	-	-	-	-	6	2	3	1	$ 137	$ 46	$ -	$ -
25,001-50,000	2	-	-	-	-	2	-	-	-	-	2	1	1	0	$ 46	$ 15	$ -	$ -
50,001-75,000	23	-	22	-	1	22	-	-	22	-	23	8	12	4	$ 524	$ 175	$ -	$ -
75,001-100,000	10	-	10	-	-	10	-	-	10	-	10	3	5	2	$ 228	$ 76	$ -	$ -
100,001-500,000	22	-	22	-	-	22	-	-	22	-	22	7	11	4	$ 502	$ 167	$ -	$ -
500,001-1,000,000	1	-	1	-	-	1	-	-	1	-	1	0	1	0	$ 23	$ 8	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	447	-	55	-	1	83	1	11	55	-	84	28	42	14	$ 1,915	$ 638	$ -	$ -

NTNCWS - Ground Water Systems

Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	155	-	-	-	-	-	-	5	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	117	-	-	-	-	-	-	4	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	24	-	-	-	-	-	-	1	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	18	-	-	-	-	-	-	1	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	1	-	1	-	-	1	-	-	-	-	1	0	1	0	$ 23	$ 8	$ -	$ -
10,001-25,000	1	-	1	-	-	1	-	-	-	-	1	0	1	0	$ 23	$ 8	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	316	-	2	-	-	2	-	11	-	-	2	1	1	0	$ 46	$ 15	$ -	$ -

Exhibit 56 - Review Source Water Monitoring Reports - Burden and Cost (cont.)

CWS - Surface Water Systems

Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	11	11	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	24	23	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	9	9	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	20	19	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	17	16	-	-	-	-	-	-	-	1	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	8	8	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	4	4	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	41	3	38	-	-	38	-	-	38	-	38	13	19	6	$ 866	$ 289	$ -	$ -
75,001-100,000	17	1	16	-	-	16	-	-	16	-	16	5	8	3	$ 365	$ 122	$ -	$ -
100,001-500,000	59	2	57	-	-	57	-	-	57	-	57	19	29	10	$ 1,300	$ 433	$ -	$ -
500,001-1,000,000	4	1	3	-	-	3	-	-	3	-	3	1	2	1	$ 68	$ 23	$ -	$ -
> 1,000,000	2	-	2	-	-	2	-	-	2	-	2	1	1	0	$ 46	$ 15	$ -	$ -
Total	216	97	116	-	-	116	-	-	116	1	116	39	58	19	$ 2,645	$ 882	$ -	$ -

NTNCWS - Surface Water Systems

Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	6	6	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	5	5	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	1	1	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	2	2	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	1	1	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
10,001-25,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
25,001-50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
50,001-75,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
75,001-100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
100,001-500,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	15	15	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -

Grand Total

Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	302	17	-	-	-	-	-	9	-	-	-	-	-	-	$ -	$ -	$ -	$ -
101-500	298	28	-	-	-	-	-	9	-	-	-	-	-	-	$ -	$ -	$ -	$ -
501-1,000	70	10	-	-	-	-	-	2	-	-	-	-	-	-	$ -	$ -	$ -	$ -
1,001-3,300	84	21	-	-	-	-	-	2	-	-	-	-	-	-	$ -	$ -	$ -	$ -
3,301-10,000	40	17	1	-	-	21	1	-	-	1	21	7	11	4	$ 479	$ 160	$ -	$ -
10,001-25,000	15	8	1	-	-	7	-	-	-	-	7	2	4	1	$ 160	$ 53	$ -	$ -
25,001-50,000	6	4	-	-	-	2	-	-	-	-	2	1	1	0	$ 46	$ 15	$ -	$ -
50,001-75,000	64	3	60	-	1	60	-	-	60	-	61	20	31	10	$ 1,391	$ 464	$ -	$ -
75,001-100,000	27	1	26	-	-	26	-	-	26	-	26	9	13	4	$ 593	$ 198	$ -	$ -
100,001-500,000	81	2	79	-	-	79	-	-	79	-	79	26	40	13	$ 1,801	$ 600	$ -	$ -
500,001-1,000,000	5	1	4	-	-	4	-	-	4	-	4	1	2	1	$ 91	$ 30	$ -	$ -
> 1,000,000	2	-	2	-	-	2	-	-	2	-	2	1	1	0	$ 46	$ 15	$ -	$ -
Total	994	112	173	-	1	201	1	22	171	1	202	67	101	34	$ 4,606	$ 1,535	$ -	$ -

Exhibit 57 - Review of Annual Lead Service Line Replacement Letter - Burden and Cost

Totals																			
		Reviews by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)								
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Reviews	Annual Reviews	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	142	142	142	142	142	142	142	142	142	142	426	142	213	71	$ 9,713	$ 3,238	$ -	$ -
101-500	176	176	176	176	176	176	176	176	176	176	528	176	264	88	$ 12,038	$ 4,013	$ -	$ -
501-1,000	45	45	45	45	45	45	45	45	45	45	135	45	68	23	$ 3,078	$ 1,026	$ -	$ -
1,001-3,300	65	65	65	65	65	65	65	65	65	65	195	65	98	33	$ 4,446	$ 1,482	$ -	$ -
3,301-10,000	36	36	36	36	36	36	36	36	36	36	108	36	54	18	$ 2,462	$ 821	$ -	$ -
10,001-25,000	15	15	15	15	15	15	15	15	15	15	45	15	23	8	$ 1,026	$ 342	$ -	$ -
25,001-50,000	7	7	7	7	7	7	7	7	7	7	21	7	11	4	$ 479	$ 160	$ -	$ -
50,001-75,000	4	4	4	4	4	4	4	4	4	4	12	4	6	2	$ 274	$ 91	$ -	$ -
75,001-100,000	1	1	1	1	1	1	1	1	1	1	3	1	2	1	$ 68	$ 23	$ -	$ -
100,001-500,000	1	1	1	1	1	1	1	1	1	1	3	1	2	1	$ 68	$ 23	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	492	492	492	492	492	492	492	492	492	492	1,476	492	738	246	$ 33,653	$ 11,218	$ -	$ -

Exhibit 58 - Review Partial Lead Service Line Replacement Letter - Burden and Cost

Totals																			
		Reviews by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)								
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Reviews	Annual Reviews	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	107	959	959	959	959	959	959	959	959	959	2,876	959	1,438	479	$ 65,561	$ 21,854	$ -	$ -
101-500	132	1,188	1,188	1,188	1,188	1,188	1,188	1,188	1,188	1,188	3,564	1,188	1,782	594	$ 81,259	$ 27,086	$ -	$ -
501-1,000	34	304	304	304	304	304	304	304	304	304	911	304	456	152	$ 20,777	$ 6,926	$ -	$ -
1,001-3,300	49	439	439	439	439	439	439	439	439	439	1,316	439	658	219	$ 30,011	$ 10,004	$ -	$ -
3,301-10,000	27	243	243	243	243	243	243	243	243	243	729	243	365	122	$ 16,621	$ 5,540	$ -	$ -
10,001-25,000	11	101	101	101	101	101	101	101	101	101	304	101	152	51	$ 6,926	$ 2,309	$ -	$ -
25,001-50,000	5	47	47	47	47	47	47	47	47	47	142	47	71	24	$ 3,232	$ 1,077	$ -	$ -
50,001-75,000	3	27	27	27	27	27	27	27	27	27	81	27	41	14	$ 1,847	$ 616	$ -	$ -
75,001-100,000	1	7	7	7	7	7	7	7	7	7	20	7	10	3	$ 462	$ 154	$ -	$ -
100,001-500,000	1	7	7	7	7	7	7	7	7	7	20	7	10	3	$ 462	$ 154	$ -	$ -
500,001-1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	369	3,321	3,321	3,321	3,321	3,321	3,321	3,321	3,321	3,321	9,963	3,321	4,982	1,661	$ 227,156	$ 75,719	$ -	$ -

Exhibit 59 - Review of Public Education Compliance Letter - Burden and Cos

Totals																		
		Reviews by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Reviews	Annual Reviews	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	302	302	302	302	302	302	302	302	302	302	907	302	454	151	$ 20,680	$ 6,893	$ -	$ -
101-500	297	297	297	297	297	297	297	297	297	297	892	297	446	149	$ 20,338	$ 6,779	$ -	$ -
501-1,000	71	71	71	71	71	71	71	71	71	71	213	71	107	36	$ 4,856	$ 1,619	$ -	$ -
1,001-3,300	84	84	84	84	84	84	84	84	84	84	252	84	126	42	$ 5,746	$ 1,915	$ -	$ -
3,301-10,000	39	39	39	39	39	39	39	39	39	39	116	39	58	19	$ 2,645	$ 882	$ -	$ -
10,001-25,000	16	16	16	16	16	16	16	16	16	16	48	16	24	8	$ 1,094	$ 365	$ -	$ -
25,001-50,000	7	7	7	7	7	7	7	7	7	7	21	7	11	4	$ 479	$ 160	$ -	$ -
50,001-75,000	4	4	4	4	4	4	4	4	4	4	12	4	6	2	$ 274	$ 91	$ -	$ -
75,001-100,000	1	1	1	1	1	1	1	1	1	1	3	1	2	1	$ 68	$ 23	$ -	$ -
100,001-500,000	2	2	2	2	2	2	2	2	2	2	7	2	4	1	$ 160	$ 53	$ -	$ -
500,001-1,000,000	1	1	1	1	1	1	1	1	1	1	2	1	1	0	$ 46	$ 15	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	824	824	824	824	824	824	824	824	824	824	2,473	824	1,237	412	$ 56,384	$ 18,795	$ -	$ -

Exhibit 60 - Employ Corrosion Control Expert - Burden and Cost

Totals																
		Hours by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)					
FTEs	Number of States	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
0.5	32	33,280	33,280	33,280	33,280	33,280	33,280	33,280	33,280	33,280	99,840	33,280	$ 4,552,704	$ 1,517,568	$ -	$ -
1.0	14	29,120	29,120	29,120	29,120	29,120	29,120	29,120	29,120	29,120	87,360	29,120	$ 3,983,616	$ 1,327,872	$ -	$ -
1.5	11	34,320	34,320	34,320	34,320	34,320	34,320	34,320	34,320	34,320	102,960	34,320	$ 4,694,976	$ 1,564,992	$ -	$ -
Total	57	96,720	96,720	96,720	96,720	96,720	96,720	96,720	96,720	96,720	290,160	96,720	$ 13,231,296	$ 4,410,432	$ -	$ -

Exhibit 61 - Review of Public Education and Notification Activities Due to STR - Burden and Cost

Totals																			
		Reviews by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Reviews	Annual Reviews	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	302	302	302	302	302	302	302	302	302	302	907	302	2,113	704	$ 96,367	$ 32,122	$ -	$ -
101-500	297	297	297	297	297	297	297	297	297	297	892	297	2,078	693	$ 94,773	$ 31,591	$ -	$ -
501-1,000	71	71	71	71	71	71	71	71	71	71	213	71	496	165	$ 22,631	$ 7,544	$ -	$ -
1,001-3,300	84	84	84	84	84	84	84	84	84	84	252	84	587	196	$ 26,774	$ 8,925	$ -	$ -
3,301-10,000	39	39	39	39	39	39	39	39	39	39	116	39	270	90	$ 12,325	$ 4,108	$ -	$ -
10,001-25,000	16	16	16	16	16	16	16	16	16	16	48	16	112	37	$ 5,100	$ 1,700	$ -	$ -
25,001-50,000	7	7	7	7	7	7	7	7	7	7	21	7	49	16	$ 2,231	$ 744	$ -	$ -
50,001-75,000	4	4	4	4	4	4	4	4	4	4	12	4	28	9	$ 1,275	$ 425	$ -	$ -
75,001-100,000	1	1	1	1	1	1	1	1	1	1	3	1	7	2	$ 319	$ 106	$ -	$ -
100,001-500,000	2	2	2	2	2	2	2	2	2	2	7	2	16	5	$ 744	$ 248	$ -	$ -
500,001-1,000,000	1	1	1	1	1	1	1	1	1	1	2	1	5	2	$ 212	$ 71	$ -	$ -
> 1,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	$ -	$ -	$ -	$ -
Total	824	824	824	824	824	824	824	824	824	824	2,473	824	5,762	1,921	$ 262,751	$ 87,584	$ -	$ -

Exhibit 62 - State Burden and Cost Summary

Review Totals																		
		Reporting Events by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)							
Size Category	Number of Systems	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Reporting Events	Annual Reporting Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	20,775	32,595	17,792	15,841	29,867	17,792	15,841	29,871	17,792	17,919	63,500	21,167	78,521	26,174	$ 3,580,547	$ 1,193,516	$ 4,951	$ 1,650
101-500	22,032	36,350	19,969	17,802	33,330	19,969	17,802	33,335	19,969	20,006	71,102	23,701	86,305	28,768	$ 3,935,526	$ 1,311,842	$ 5,658	$ 1,886
501-1,000	7,082	11,537	6,164	5,441	10,542	6,164	5,441	10,543	6,164	6,149	22,147	7,382	26,142	8,714	$ 1,192,083	$ 397,361	$ 1,750	$ 583
1,001-3,300	8,937	15,022	7,921	6,966	13,705	7,921	6,966	13,706	7,921	7,860	28,593	9,531	33,323	11,108	$ 1,519,517	$ 506,506	$ 2,194	$ 731
3,301-10,000	5,088	4,233	3,491	9,236	4,233	3,511	9,237	4,233	3,491	9,236	16,981	5,660	20,125	6,708	$ 917,681	$ 305,894	$ 1,349	$ 450
10,001-25,000	2,296	1,887	1,548	4,163	1,887	1,554	4,163	1,887	1,548	4,163	7,605	2,535	9,257	3,086	$ 422,126	$ 140,709	$ 602	$ 201
25,001-50,000	1,049	864	708	1,901	864	710	1,901	864	708	1,901	3,475	1,158	4,234	1,411	$ 193,050	$ 64,350	$ 275	$ 92
50,001-75,000	363	247	819	247	248	819	247	247	819	247	1,351	450	1,635	545	$ 74,560	$ 24,853	$ 100	$ 33
75,001-100,000	177	103	382	103	103	382	103	103	382	103	605	202	715	238	$ 32,620	$ 10,873	$ 46	$ 15
100,001-500,000	367	198	777	198	198	777	198	198	777	198	1,230	410	1,462	487	$ 66,677	$ 22,226	$ 93	$ 31
500,001-1,000,000	40	21	82	21	21	82	21	21	82	21	127	42	152	51	$ 6,934	$ 2,311	$ 10	$ 3
> 1,000,000	22	11	44	11	11	44	11	11	44	11	67	22	80	27	$ 3,667	$ 1,222	$ 5	$ 2
Total	68,228	103,067	59,697	61,930	95,009	59,725	61,931	95,019	59,697	67,812	216,782	72,261	261,951	87,317	$ 11,944,987	$ 3,981,662	$ 17,035	$ 5,678

Employ Corrosion Control Expert Totals																
		Hours by Year (Representing 9-Year Cycle)									Summary of Burden and Cost for ICR Period (2016-2018)					
FTEs	Number of States	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
0.5	32	33,280	33,280	33,280	33,280	33,280	33,280	33,280	33,280	33,280	99,840	33,280	$ 4,552,704	$ 1,517,568	$ -	$ -
1.0	14	29,120	29,120	29,120	29,120	29,120	29,120	29,120	29,120	29,120	87,360	29,120	$ 3,983,616	$ 1,327,872	$ -	$ -
1.5	11	34,320	34,320	34,320	34,320	34,320	34,320	34,320	34,320	34,320	102,960	34,320	$ 4,694,976	$ 1,564,992	$ -	$ -
Total	57	96,720	96,720	96,720	96,720	96,720	96,720	96,720	96,720	96,720	290,160	96,720	$ 13,231,296	$ 4,410,432	$ -	$ -

	PWS										State									
	Exhibit 63a - Summary of Monitoring, Burden, and Cost for ICR Period (Jan. 2016 - Dec. 2018)										Exhibit 63b - Summary of Burden and Cost for ICR Period (Jan. 2016 - Dec. 2018)									
Rule Component	Total Responses	Annual Responses	Total Burden (Hours)	Annual Burden (Hours)	Total Labor Cost	Annual Labor Cost	Total Capital Cost	Annual Capital Cost	Total O&M Cost	Annual O&M Cost	Total Responses	Annual Responses	Total Burden (Hours)	Annual Burden (Hours)	Total Labor Cost	Annual Labor Cost	Total Capital Cost	Annual Capital Cost	Total O&M Cost	Annual O&M Cost
Lead Service Lines	276,528	92,176	382,168	127,389	13,219,965	4,406,655			$ 571,043	$ 190,348										
State Review and Recordkeeping											216,782	72,261	261,951	87,317	$ 11,944,987	$ 3,981,662			$ 17,035	$ 5,678
State - Corrosion Control Experts													290,160	96,720	13,231,296	4,410,432			$ -	$ -
Public Education	2,473	824	126,303	42,101	$ 4,369,058	$ 1,456,353			$ 6,785,546	$ 2,261,849										
Reporting	115,378	38,459	207,807	69,269	8,992,324	2,997,441			48,343	16,114										
Source Water	202	67	1,445	482	$ 50,001	$ 16,667			$ 7,089	$ 2,363										
Tap Sampling	69,529	23,176	2,540,400	846,800	$ 87,877,517	$ 29,292,506			$ 4,672,456	$ 1,557,485										
Water Quality Parameter Sampling	65,774	21,925	68,648	22,883	$ 2,374,681	$ 791,560			$ 2,727,181	$ 909,060										
Total LCR	**529,883**	**176,628**	**3,326,772**	**1,108,924**	**$ 116,883,545**	**$ 38,961,182**			**$ 14,811,657**	**$ 4,937,219**	**216,782**	**72,261**	**552,111**	**184,037**	**$ 25,176,283**	**$ 8,392,094**			**$ 17,035**	**$ 5,678**

Exhibit 64 - Lead and Copper Rule - Summary of Original and Revised Burden Estimates

No changes in burden estimates based on May 2015 consultations.