

Appendix A

Federal Register Notices Soliciting Comment on Information Collection Requests

requirements which have subsequently changed; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information.

The ICR provides a detailed explanation of the Agency's estimate, which is only briefly summarized here:

Estimated total number of potential respondents: 161,274.

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

Estimated total average number of responses for each respondent: 72.

Estimated total annual burden hours: 9,151,424 hours.

Estimated total annual costs: \$118,653,327. This includes an estimated burden cost of \$14,698,327 and an estimated cost of \$22,793,000 for capital investment and \$81,162,000 for maintenance and operational costs.

Are There Changes in the Estimates From the Last Approval?

There is an increase of 526,559 hours in the total estimated respondent burden compared with that identified in the ICR currently approved by OMB. This increase is primarily due to restructuring adjustments (i.e., incorporation of the approved burden hours from the previously stand-alone ICRs for the Long Term 2 Enhanced Surface Water Treatment Rule, and Ground Water Rule

What Is the Next Step in the Process for This ICR?

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 pursuant to 5 CFR 1320.12. At that time, EPA will issue another **Federal Register** notice pursuant to 5 CFR 1320.5(a)(1)(iv) to announce the submission of the ICR to OMB and the opportunity to submit additional comments to OMB. If you have any questions about this ICR or the approval process, please contact the technical person listed under **FOR FURTHER INFORMATION CONTACT**.

Dated: June 2, 2008.

Cynthia C. Dougherty,

Director, Office of Ground Water and Drinking Water.

[FR Doc. E8-12708 Filed 6-5-08; 8:45 am]

BILLING CODE 6560-50-P

ENVIRONMENTAL PROTECTION AGENCY

[EPA-HQ-OW-2008-0437; FRL-8576-8]

Agency Information Collection Activities; Proposed Collection; Comment Request; Public Water System Supervision Program (Renewal); EPA ICR No. 0270.43, OMB Control No. 2040-0090

AGENCY: Environmental Protection Agency.

ACTION: Notice.

SUMMARY: In compliance with the Paperwork Reduction Act (PRA) (44 U.S.C. 3501 *et seq.*), this document announces that EPA is planning to submit a request to renew an existing approved Information Collection Request (ICR) to the Office of Management and Budget (OMB). This ICR is scheduled to expire on September 30, 2008. Before submitting the ICR to OMB for review and approval, EPA is soliciting comments on specific aspects of the proposed information collection as described below.

DATES: Comments must be submitted on or before August 5, 2008.

ADDRESSES: Submit your comments, identified by Docket ID No. EPA-HQ-OW-2008-0437, by one of the following methods:

- *http://www.regulations.gov* (our preferred method): Follow the on-line instructions for submitting comments.
- *E-mail:* OW-Docket@epa.gov.
- *Mail:* U.S. Environmental

Protection Agency, EPA Docket Center (EPA/DC), Water Docket, MC: 2822T, 1200 Pennsylvania Ave., NW., Washington, DC 20460.

- *Hand Delivery:* EPA Docket Center, Public Reading Room, EPA Headquarters West Building, Room 3334, 1301 Constitution Ave., NW., Washington, DC. Such deliveries are only accepted during the Docket's normal hours of operation, and special arrangements should be made for deliveries of boxed information.

Instructions: Direct your comments to Docket ID No. EPA-HQ-OW-2008-0437. EPA's policy is that all comments received will be included in the public docket without change and may be made available online at *http://www.regulations.gov*, including any personal information provided, unless the comment includes information claimed to be Confidential Business Information (CBI) or other information whose disclosure is restricted by statute. Do not submit information that you consider to be CBI or otherwise protected through *http://*

www.regulations.gov or e-mail. The *http://www.regulations.gov* Web site is an "anonymous access" system, which means EPA will not know your identity or contact information unless you provide it in the body of your comment. If you send an e-mail comment directly to EPA without going through *http://www.regulations.gov* your e-mail address will be automatically captured and included as part of the comment that is placed in the public docket and made available on the Internet. If you submit an electronic comment, EPA recommends that you include your name and other contact information in the body of your comment and with any disk or CD-ROM you submit. If EPA cannot read your comment due to technical difficulties and cannot contact you for clarification, EPA may not be able to consider your comment. Electronic files should avoid the use of special characters, any form of encryption, and be free of any defects or viruses. For additional information about EPA's public docket visit the EPA Docket Center homepage at *http://www.epa.gov/epahome/dockets.htm*.

FOR FURTHER INFORMATION CONTACT:

Richard Naylor, Drinking Water Protection Division, Office of Ground Water and Drinking Water, (MC: 4606M), Environmental Protection Agency, 1200 Pennsylvania Ave., NW., Washington, DC 20460; telephone number: 202-564-3847; fax number: 202-564-3755; e-mail address: *naylor.richard@epa.gov*.

SUPPLEMENTARY INFORMATION:

How Can I Access the Docket and/or Submit Comments?

EPA has established a public docket for this ICR under Docket ID No. EPA-HQ-OW-2008-0437, which is available for online viewing at *http://www.regulations.gov*, or in person viewing at the Water Docket in the EPA Docket Center (EPA/DC), EPA West, Room 3334, 1301 Constitution Ave., NW., Washington, DC. The EPA/DC Public Reading Room is open from 8:30 a.m. to 4:30 p.m., Monday through Friday, excluding legal holidays. The telephone number for the Reading Room is 202-566-1744, and the telephone number for the Water Docket is 202-566-2426.

Use *http://www.regulations.gov* to obtain a copy of the draft collection of information, submit or view public comments, access the index listing of the contents of the docket, and to access those documents in the public docket that are available electronically. Once in the system, select "search," then key in

the docket ID number identified in this document.

What Information Is EPA Particularly Interested in?

Pursuant to section 3506(c)(2)(A) of the PRA, EPA specifically solicits 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. In particular, EPA is requesting comments from very small businesses (those that employ less than 25) on examples of specific additional efforts that EPA could make to reduce the paperwork burden for very small businesses affected by this collection.

What Should I Consider When I Prepare My Comments for EPA?

You may find the following suggestions helpful for preparing your comments:

1. Explain your views as clearly as possible and provide specific examples.
2. Describe any assumptions that you used.
3. Provide copies of any technical information and/or data you used that support your views.
4. If you estimate potential burden or costs, explain how you arrived at the estimate that you provide.
5. Offer alternative ways to improve the collection activity.
6. Make sure to submit your comments by the deadline identified under **DATES**.
7. To ensure proper receipt by EPA, be sure to identify the docket ID number assigned to this action in the subject line on the first page of your response. You may also provide the name, date, and **Federal Register** citation.

What Information Collection Activity or ICR Does This Apply To?

Affected entities: New and existing public water systems (PWS), primacy agencies, and EPA.

Title: Public Water System Supervision Program (Renewal).

ICR numbers: EPA ICR No. 0270.43, OMB Control No. 2040-0090.

ICR status: This ICR is currently scheduled to expire on September 30, 2008. 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. The OMB control numbers for EPA's regulations in title 40 of the CFR, after appearing in the **Federal Register** when approved, are listed in 40 CFR part 9, are displayed either by publication in the **Federal Register** or by other appropriate means, such as on the related collection instrument or form, if applicable. The display of OMB control numbers in certain EPA regulations is consolidated in 40 CFR part 9.

Abstract: The Public Water System Supervision (PWSS) Program Renewal ICR examines public water system, primacy agency, EPA 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). These activities which have recordkeeping and reporting requirements that are mandatory for compliance with 40 CFR parts 141 and 142 include the following: Consumer Confidence Reports (CCRs), Primacy Regulation Activities, Variance and Exemption Rule (V/E Rule), General State Primacy Activities, Public Notification (PN) and Proficiency Testing Studies for Drinking Water Laboratories. The information collection activities for both the Operator Certification/Expense Reimbursement 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.

Burden Statement: The annual public reporting and recordkeeping burden for this collection of information is

estimated to average 6.5 hours per response. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements which have subsequently changed; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information.

The ICR provides a detailed explanation of the Agency's estimate, which is only briefly summarized here:

Estimated total number of potential respondents: 161,682.

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

Estimated total average number of responses for each respondent: 3.1.

Estimated total annual burden hours: 3,249,695 hours.

Estimated total annual costs: \$119,174,000. This includes an estimated burden cost of \$97,636,000 and an estimated cost of \$21,538,000 for capital investment or maintenance and operational costs.

Are There Changes in the Estimates From the Last Approval?

There is an increase of about 23,668 hours in the total estimated respondent burden compared with that identified in the ICR currently approved by OMB. This increase is due to restructuring adjustments (i.e., incorporation of the approved burden hours from the previously stand-alone ICR for the Proficiency Testing Studies for Drinking Water Laboratories).

What Is the Next Step in the Process for This ICR?

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 pursuant to 5 CFR 1320.12. At that time, EPA will issue another **Federal Register** notice pursuant to 5 CFR 1320.5(a)(1)(iv) to announce the submission of the ICR to OMB and the opportunity to submit additional comments to OMB. If you have any questions about this ICR or the approval process, please contact the

technical person listed under **FOR FURTHER INFORMATION CONTACT.**

Dated: June 2, 2008.

Cynthia C. Dougherty,

Director, Office of Ground Water and Drinking Water.

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ENVIRONMENTAL PROTECTION AGENCY

[EPA-HQ-OAR-2008-0145; FRL-8576-9]

Agency Information Collection Activities; Submission to OMB for Review and Approval; Comment Request; National-Scale Activity Survey (N-SAS); EPA ICR No. 2293.01, OMB Control No. 2060-NEW

AGENCY: Environmental Protection Agency.

ACTION: Notice.

SUMMARY: In compliance with the Paperwork Reduction Act (PRA) (44 U.S.C. 3501 *et seq.*), this document announces that an Information Collection Request (ICR) has been forwarded to the Office of Management and Budget (OMB) for review and approval. This is a request for a new collection. The ICR, which is abstracted below, describes the nature of the information collection and its estimated burden and cost.

DATES: Additional comments may be submitted on or before July 7, 2008.

ADDRESSES: Submit your comments, referencing Docket ID No. EPA-HQ-OAR-2008-0145, to (1) EPA online using www.regulations.gov (our preferred method), by e-mail to a-and-r-Docket@epa.gov, or by mail to: EPA Docket Center, Environmental Protection Agency, Air and Radiation Docket and Information Center, 1200 Pennsylvania Ave., NW., Washington, DC 20460, and (2) OMB by mail to: Office of Information and Regulatory Affairs, Office of Management and Budget, Attention: Desk Officer for EPA, 725 17th Street, NW., Washington, DC 20503.

FOR FURTHER INFORMATION CONTACT: Zachary Pekar, Health and Environmental Impacts Division, Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency, Mail Code C504-06, Research Triangle Park, NC 27711; telephone: 919-541-3704; fax: 919-541-0237; e-mail: pekar.zachary@epa.gov.

SUPPLEMENTARY INFORMATION: EPA has submitted the following ICR to OMB for review and approval according to the

procedures prescribed in 5 CFR 1320.12. On February 28, 2008 (73 FR 10765), EPA sought comments on this ICR pursuant to 5 CFR 1320.8(d). EPA received no comments. Any additional comments on this ICR should be submitted to EPA and OMB within 30 days of this notice.

EPA has established a public docket for this ICR under Docket ID No. EPA-HQ-OAR-2008-0145, which is available for online viewing at www.regulations.gov, or in person viewing at the Air and Radiation Docket in the EPA Docket Center (EPA/DC), EPA West, Room 3334, 1301 Constitution Ave., NW., Washington, DC. The EPA/DC Public Reading Room is open from 8 a.m. to 4:30 p.m., Monday through Friday, excluding legal holidays. The telephone number for the Reading Room is 202-566-1744, and the telephone number for the Air and Radiation Docket is 202-566-1742.

Use EPA's electronic docket and comment system at www.regulations.gov, to submit or view public comments, access the index listing of the contents of the docket, and to access those documents in the docket that are available electronically. Once in the system, select "docket search," then key in the docket ID number identified above. Please note that EPA's policy is that public comments, whether submitted electronically or in paper, will be made available for public viewing at www.regulations.gov as EPA receives them and without change, unless the comment contains copyrighted material, confidential business information (CBI), or other information whose public disclosure is restricted by statute. For further information about the electronic docket, go to www.regulations.gov.

Title: National-Scale Activity Survey (N-SAS).

ICR numbers: EPA ICR No. 2293.01, OMB Control No. 2060-NEW.

ICR Status: This ICR is for a new information collection activity. 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. The OMB control numbers for EPA's regulations in title 40 of the CFR, after appearing in the **Federal Register** when approved, are listed in 40 CFR part 9, are displayed either by publication in the **Federal Register** or by other appropriate means, such as on the related collection instrument or form, if applicable. The display of OMB control numbers in certain EPA regulations is consolidated in 40 CFR part 9.

Abstract: EPA supports the Air Quality Index (AQI), a program that uses data from air quality monitors to forecast pollution levels and to notify the public of health hazards associated with air pollution, primarily ozone and particulate matter pollution (PM). EPA, specifically the Office of Air Quality Planning and Standards, which manages the AQI program, is interested in assessing the public's awareness, knowledge and both stated and actual behavioral response to AQI warnings. To address this need, OAQPS wishes to conduct the National-Scale Activity Surveys (N-SAS) to gather information on perceptions, awareness, attitudes, and stated and actual behaviors in response to AQI warnings.

EPA is requesting permission from OMB to conduct a survey of 1,600 individuals age 35 or older who meet minimal activity requirements living in Washington, DC; Sacramento (also other cities in San Joaquin Valley—San Joaquin, Stanislaus, Merced, Madera, Fresno), Chicago, Dallas, Houston, Atlanta, Philadelphia, or St. Louis. The data will be collected through a web-based survey of members from Knowledge Network's web panel.

The N-SAS consists of a series of nine surveys. A screening survey at the beginning and a debriefing survey at the end will provide information on the research participants, their awareness and knowledge of air pollution and the Air Quality Index (AQI), risk perceptions regarding health effects, and reported behaviors on high ozone days. After the screening survey, research participants will be administered a set of seven activity diaries administered on both high and low ozone days to collect information on actual behavior.

The information obtained from N-SAS will be used by EPA to assess hypotheses for the N-SAS research participants regarding:

- Extent of awareness of and knowledge about the AQI;
- The effects of the AQI-based warnings on behavior in eight cities with significant pollution problems;
- The correlation between awareness, knowledge, stated behavior on high pollution days and data on behavior reported in the activity diaries!
- Differences in behavior, awareness and knowledge among different sub-samples of the N-SAS research participants.

In addition to assessing the effectiveness of AQI-based ozone warnings, the data will also be used to supplement the limited data available to develop exposure profiles for older Americans.

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	49,463	178,310	267,465	\$8,661,580	\$47,248,952	N/A
TOC & Alkalinity Monitoring	2,813	105,394	79,046	\$2,559,810	\$5,404,718	N/A
Bromate Monitoring	275	4,240	2,120	\$68,657	\$567,239	N/A
Chlorine Dioxide Monitoring	799	312,125	52,021	\$1,684,644	\$5,885,548	N/A
Daily Chlorite Monitoring	644	296,814	0	\$0	\$0	N/A
Monthly Chlorite Monitoring	644	23,179	7,726	\$250,209	\$2,518,155	N/A
Residuals Monitoring	37,109	1,128,459	188,076	\$6,090,668	\$30,192,296	N/A
Total	49,467	2,048,521	596,454	\$19,315,568	\$91,816,908	N/A

Note: Respondent detail does not add to total because some respondents are subject to multiple activities.

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	49,467	148,335	\$6,495,883	N/A	N/A
Total	57	49,467	148,335	\$6,495,883	N/A	N/A

Exhibit 2 - Average Number of TCR Samples per Month for Ground Water Systems

Ground Water

Population Range	Routine	Repeat	Additional Routines next mo	CWSs		NTNCWSs		TNCWSs		Total PWSs	
	A	B	C	Systems	Samples	Systems	Samples*	Systems	Samples*	Systems	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	25,388	25,388	15,038	4,962	78,595	25,936	119,021	56,287
501-1k	1	4	4	4,463	4,463	1,659	547	1,965	648	8,087	5,659
1,001-2.5K	2	3	3	4,583	9,165	685	1,370	522	1,044	5,790	11,579
2,501-3.3K	3	3	2	1,111	3,333	79	237	46	138	1,236	3,708
3,301-4.1K	4	3	1	717	2,868	46	184	23	92	786	3,144
4,101-4.9K	5	3	0	489	2,445	13	65	7	35	509	2,545
4,901-5.8K	6	3	0	436	2,616	16	96	14	84	466	2,796
5,801-6.7K	7	3	0	321	2,244	7	49	4	28	332	2,321
6,701-7.6K	8	3	0	243	1,944	9	72	8	64	260	2,080
7,601-8.5K	9	3	0	228	2,052	5	45	3	27	236	2,124
8,501-10k	10	3	0	305	3,050	7	70	7	70	319	3,190
10,001-12.9k	10	3	0	325	3,250	4	40	2	20	331	3,310
12,901-17.2K	15	3	0	327	4,905	4	60	2	30	333	4,995
17,201-21.5K	20	3	0	178	3,560	0	0	0	0	178	3,560
21,501-25K	25	3	0	134	3,350	0	0	1	25	135	3,375
25,001-33K	30	3	0	167	5,010	2	60	1	30	170	5,100
33,001-41K	40	3	0	121	4,840	1	40	0	0	122	4,880
41,001-50K	50	3	0	68	3,400	1	50	0	0	69	3,450
50,001-59K	60	3	0	69	4,140	0	0	1	60	70	4,200
59,001-70K	70	3	0	41	2,870	0	0	1	70	42	2,940
70,001-83K	80	3	0	24	1,920	0	0	0	0	24	1,920
83,001-96K	90	3	0	15	1,350	0	0	0	0	15	1,350
96,001-130K	100	3	0	27	2,700	0	0	1	100	28	2,800
130,001-220K	120	3	0	31	3,720	0	0	0	0	31	3,720
220,001-320K	150	3	0	5	750	0	0	0	0	5	750
320,001-450K	180	3	0	3	540	0	0	0	0	3	540
450,001-600K	210	3	0	0	0	0	0	0	0	0	0
600,001-780K	240	3	0	3	720	0	0	0	0	3	720
780,001-970K	270	3	0	1	270	0	0	0	0	1	270
970,001-1,230K	300	3	0	1	300	0	0	0	0	1	300
1,230,001-1,520K	330	3	0	1	330	0	0	0	0	1	330
1,520,001-1,850K	360	3	0	0	0	0	0	0	0	0	0
1,850,001-2,270K	390	3	0	1	390	0	0	0	0	1	390
2,270,001-3,020K	420	3	0	0	0	0	0	0	0	0	0
3,020,001-3,960K	450	3	0	0	0	0	0	0	0	0	0
Over 3,960K	480	3	0	0	0	0	0	0	0	0	0
Total				39,825	107,883	17,576	7,948	81,203	28,502	138,603	144,332

* GW noncommunity systems serving 1,000 or fewer monitor quarterly rather than monthly.

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	983	257	1,347	11,651	8,571	59,237	61%	41%	25%	7,150	3,514	14,809
101-500	2,153	264	498	13,737	6,467	19,358	73%	41%	25%	10,001	2,651	4,839
501-1,000	1,173	86	86	4,463	1,659	1,965	79%	41%	25%	3,538	680	491
1,001-3,300	2,527	75	64	5,694	764	568	93%	41%	25%	5,270	313	142
3,301-10K	2,143	29	23	2,739	103	66	91%	41%	25%	2,504	42	17
10,001-50K	1,920	6	2	1,320	12	6	93%	41%	25%	1,232	5	2
50,001-100K	392	1	0	152	0	3	93%	41%	25%	142	0	1
100,001-1M	325	1	0	67	0	0	94%	41%	25%	63	0	0
>1M	18	0	1	3	0	0	94%	41%	25%	3	0	0
Total	11,635	719	2,021	39,825	17,576	81,203				29,903	7,206	20,301

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
3,301-10K	1.07	1.0	1.0	1.20	1.0	1.0	2.11	1.0	1.0	2.11	1.0	1.0
10,001-50K	1.08	1.0	1.0	1.41	1.0	1.0	3.50	1.0	1.0	3.50	1.0	1.0
50,001-100K	1.35	1.0	1.0	1.98	1.0	1.0	6.83	1.0	1.0	6.83	1.0	1.0
100,001-1M	1.69	1.0	1.0	3.13	1.0	1.0	12.34	1.0	1.0	12.34	1.0	1.0
>1M	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	998	257	1,347	1,056	257	1,347	7,658	3,514	14,809	7,658	3,514	14,809
101-500	2,273	264	498	2,415	264	498	11,816	2,651	4,839	11,816	2,651	4,839
501-1,000	1,209	86	86	1,550	86	86	5,380	680	491	5,380	680	491
1,001-3,300	2,527	75	64	3,195	75	64	9,466	313	142	9,466	313	142
3,301-10K	2,291	29	23	2,569	29	23	5,288	42	17	5,288	42	17
10,001-50K	2,075	6	2	2,711	6	2	4,311	5	2	4,311	5	2
50,001-100K	529	1	0	777	1	0	968	0	1	968	0	1
100,001-1M	548	1	0	1,017	1	0	776	0	0	776	0	0
>1M	30	0	1	56	0	1	35	0	0	35	0	0
Total	12,480	719	2,021	15,347	719	2,021	45,697	7,206	20,301	45,697	7,206	20,301

Sources: Baseline number of systems from SDWIS/FED Data from October 2010. 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 2010.

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	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	983	257	1,347	416	120	632	1	0	3	415	120	629
101-500	2,153	264	498	645	151	375	4	0	0	641	151	375
501-1,000	1,173	86	86	348	50	63	2	0	0	346	50	63
1,001-3,300	2,527	75	64	949	34	50	1	0	0	948	34	50
3,301-10K	2,143	29	23	1,010	7	17	0	0	0	1,010	7	17
10,001-50K	1,920	6	2	975	1	0	5	0	0	970	1	0
50,001-100K	392	1	0	224	0	0	1	0	0	223	0	0
100,001-1M	325	1	0	237	0	0	0	0	0	237	0	0
>1M	18	0	1	17	0	0	1	0	0	16	0	0
Total	11,635	719	2,021	4,822	363	1,138	15	0	3	4,807	363	1,135

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	422	120	629	13.9%	13.9%	13.9%	59	17	87
101-500	1.1	1.0	1.0	677	151	375	36.3%	36.3%	36.3%	246	55	136
501-1,000	1.0	1.0	1.0	357	50	63	18.8%	18.8%	18.8%	67	9	12
1,001-3,300	1.0	1.0	1.0	948	34	50	56.5%	56.5%	56.5%	536	19	28
3,301-10K	1.1	1.0	1.0	1,080	7	17	70.1%	70.1%	70.1%	757	5	12
10,001-50K	1.1	1.0	1.0	1,048	1	0	76.0%	76.0%	76.0%	797	1	0
50,001-100K	1.3	1.0	1.0	301	0	0	72.0%	72.0%	72.0%	216	0	0
100,001-1M	1.7	1.0	1.0	400	0	0	82.7%	82.7%	82.7%	330	0	0
>1M	1.7	1.0	1.0	27	0	0	82.7%	82.7%	82.7%	22	0	0
Total				5,259	363	1,135				3,031	106	276

[A] - [F] Number of systems from SDWIS/FED Data from October 2010.

[G]-[I] Number of unfiltered systems from SDWIS/FED October 2010.

[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
		CWS	NTNC	Year 1	Year 2	Year 3										
									(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	\$32.38	3,471	521	Yes	Yes	Yes	1	3	5	\$284	\$853	17,967	5,989	\$193,951	\$3,406,842	\$1,135,614
501-3,300	\$32.38	4,745	161	Yes	Yes	Yes	4	12	18	\$284	\$3,413	88,302	29,434	\$953,188	\$16,743,238	\$5,581,079
3,301-10K	\$32.38	2,569	29	Yes	Yes	Yes	4	12	18	\$284	\$3,413	46,767	15,589	\$504,836	\$8,867,703	\$2,955,901
10,001-50K	\$32.38	2,711	6	Yes	Yes	Yes	16	48	72	\$249	\$11,946	195,639	65,213	\$2,111,858	\$32,458,899	\$10,819,633
>50K	\$32.38	1,851	2	Yes	Yes	Yes	16	48	72	\$249	\$11,946	133,391	44,464	\$1,439,911	\$22,131,182	\$7,377,061
Total		15,347	719									482,066	160,689	\$5,203,743	83,607,865	27,869,288

Note: Burden estimates take into account the results of the August 2011 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 and is based on costs incurred for the Information Collection Rule. Shipping costs vary for small and large systems. Only \$13 shipping is added for large systems as many large systems have in-house capacity and will not have to ship. \$54 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
		CWS	NTNC	Year 1	Year 2	Year 3										
									(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	\$32.38	19,474	6,165	Yes	Yes	Yes	1	3	5	\$284	\$853	115,379	38,460	\$1,245,478	\$21,877,462	\$7,292,487
501-3,300	\$32.38	14,846	993	Yes	Yes	Yes	1	3	5	\$284	\$853	71,277	23,759	\$769,412	\$13,515,123	\$4,505,041
3,301-10K	\$32.38	5,288	42	Yes	Yes	Yes	1	3	5	\$284	\$853	23,988	7,996	\$258,945	\$4,548,505	\$1,516,168
10,001-50K	\$32.38	4,311	5	Yes	Yes	Yes	4	12	18	\$249	\$2,986	77,681	25,894	\$838,538	\$12,888,179	\$4,296,060
>50K	\$32.38	1,778	0	Yes	Yes	Yes	4	12	18	\$249	\$2,986	32,003	10,668	\$345,464	\$5,309,722	\$1,769,907
Total		45,697	7,206									320,328	106,776	\$3,457,837	58,138,990	19,379,663

Note: Burden estimates take into account the results of the August 2011 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 and is based on costs incurred for the Information Collection Rule. \$13 shipping is added for large systems as many large systems have in-house capacity and will not have to ship. \$54 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														
				(10% reduced after yr. 1)					(2 per month)	(2 per quarter)			(0.75 hr per sample)	(0.75 hr per sample)								
	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	\$32.38	304	72	30	7	Yes	Yes	Yes	24	8	72	24	54	18	\$74	\$5,298	\$1,766	18,950	6,317	\$204,557	\$1,859,031	\$619,677
501-3,300	\$32.38	603	29	60	3	Yes	Yes	Yes	24	8	72	24	54	18	\$74	\$5,298	\$1,766	31,829	10,610	\$343,582	\$3,122,508	\$1,040,836
3,301-10K	\$32.38	757	5	76	0	Yes	Yes	Yes	24	8	72	24	54	18	\$74	\$5,298	\$1,766	38,415	12,805	\$414,674	\$3,768,598	\$1,256,199
10,001-50K	\$32.38	797	1	80	0	Yes	Yes	Yes	24	8	72	24	54	18	\$74	\$5,298	\$1,766	40,217	13,406	\$434,124	\$3,945,359	\$1,315,120
>50K	\$32.38	569	0	57	0	Yes	Yes	Yes	24	8	72	24	54	18	\$74	\$5,298	\$1,766	28,681	9,560	\$309,602	\$2,813,693	\$937,898
Total		3,031	106	303	11													158,091	52,697	\$1,706,540	\$15,509,190	\$5,169,730

Notes:

- 1) Burden estimates take into account the results of the August 2011 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.
 [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														
				(10% reduced after yr. 1)					(1 per month)	(1 per quarter)			(0.75 hr per sample)	(0.75 hr per sample)								
	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	\$32.38	304	72	30	7	Yes	Yes	Yes	12	4	36	12	27	9	\$7	\$241	\$80	9,475	3,158	\$102,278	\$84,501	\$28,167
501-3,300	\$32.38	603	29	60	3	Yes	Yes	Yes	12	4	36	12	27	9	\$7	\$241	\$80	15,914	5,305	\$171,791	\$141,932	\$47,311
3,301-10K	\$32.38	757	5	76	0	Yes	Yes	Yes	12	4	36	12	27	9	\$7	\$241	\$80	19,207	6,402	\$207,337	\$171,300	\$57,100
10,001-50K	\$32.38	797	1	80	0	Yes	Yes	Yes	12	4	36	12	27	9	\$7	\$241	\$80	20,108	6,703	\$217,062	\$179,334	\$59,778
>50K	\$32.38	569	0	57	0	Yes	Yes	Yes	12	4	36	12	27	9	\$7	\$241	\$80	14,341	4,780	\$154,801	\$127,895	\$42,632
Total		3,031	106	303	11													79,046	26,349	\$853,270	\$704,963	\$234,988

Notes:

- 1) Burden estimates take into account the results of the August 2011 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.
 [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 CWS & NTNC	Applicability (Is Monitoring Required?)			Annual Samples Required Per Plant (1 per month)	Total Samples Required Per Plant J=I*3	Total Sampling Burden Per Plant (30 min. per sample)	O&M (Analytical) Cost Per Sample	Total O&M (Analytical) Cost Per Plant M=J*L	Total Burden Hours N=K*E	Average Annual Burden Hours O=N/3	Average Annual Labor Cost P=O*A	Total O&M Cost Q=E*M	Average Annual O&M Cost R=Q/3
		CWS	NTNC			Year 1	Year 2	Year 3										
	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	\$32.38	3,481	350	2.3%	89	Yes	Yes	Yes	12	36	18	\$134	\$4,816	1,611	537	\$17,389	\$430,997	\$143,666
1,001-10K	\$32.38	4,818	104	0.7%	37	Yes	Yes	Yes	12	36	18	\$134	\$4,816	664	221	\$7,168	\$177,656	\$59,219
10,001-100K	\$32.38	2,604	7	3.9%	102	Yes	Yes	Yes	12	36	18	\$134	\$4,816	1,828	609	\$19,735	\$489,134	\$163,045
>100K	\$32.38	578	1	15.4%	89	Yes	Yes	Yes	12	36	18	\$134	\$4,816	1,607	536	\$17,345	\$429,916	\$143,305
Total		11,482	462		317									5,710	1,903	\$61,636	\$1,527,703	\$509,234

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 August 2011 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. Costs are adjusted to \$2010.

PWSs - Groundwater

Population Category	Hourly Labor Rate	Number of Plants		Percent of Plants Using Ozone	Number of Affected Plants CWS & NTNC	Applicability (Is Monitoring Required?)			Annual Samples Required Per Plant	Total Samples Required Per Plant J=I*3	Total Sampling Burden Per Plant K=J*0.5	O&M (Analytical) Cost Per Sample	Total O&M (Analytical) Cost Per Plant M=J*L	Total Burden Hours N=K*E	Average Annual Burden Hours O=N/3	Average Annual Labor Cost P=O*A	Total O&M Cost Q=E*M	Average Annual O&M Cost R=Q/3
		CWS	NTNC			Year 1	Year 2	Year 3										
	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	\$32.38	17,196	3,332	0.0%	0	Yes	Yes	Yes	12	36	18	\$134	\$4,816	0	0	\$0	\$0	\$0
1,001-10K	\$32.38	14,755	355	0.0%	0	Yes	Yes	Yes	12	36	18	\$134	\$4,816	0	0	\$0	\$0	\$0
10,001-100K	\$32.38	5,278	5	0.6%	34	Yes	Yes	Yes	12	36	18	\$134	\$4,816	611	204	\$6,600	\$163,581	\$54,527
>100K	\$32.38	810	0	0.3%	2	Yes	Yes	Yes	12	36	18	\$134	\$4,816	39	13	\$421	\$10,434	\$3,478
Total		38,039	3,692		36									650	217	\$7,021	\$174,015	\$58,005

Burden estimates take into account the results of the August 2011 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. Costs are adjusted to \$2010.

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
		A	B	C			D	E	F=(B+C+D)*E											G
											(1 per day)									
101-1,000	\$32.38	3,965	350	584	0.0%	0	Yes	Yes	Yes	365	1,095	183	\$27	\$29,297	0	0	\$0	\$0	\$0	
1,001-10K	\$32.38	5,764	104	87	4.8%	285	Yes	Yes	Yes	365	1,095	183	\$27	\$29,297	52,045	17,348	\$561,806	\$8,354,854	\$2,784,951	
10,001-100K	\$32.38	3,488	7	2	7.3%	257	Yes	Yes	Yes	365	1,095	183	\$27	\$29,297	46,843	15,614	\$505,656	\$7,519,818	\$2,506,606	
>100K	\$32.38	1,074	1	1	5.7%	61	Yes	Yes	Yes	365	1,095	183	\$27	\$29,297	11,100	3,700	\$119,825	\$1,781,972	\$593,991	
Total		14,291	462	674		603									109,988	36,663	\$1,187,287	\$17,656,644	\$5,885,548	

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 August 2011 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. Costs are adjusted to \$2010.

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
		A	B	C			D	E	F=(B+C+D)*E											G
											(1 per day)									
101-1,000	\$32.38	17,196	3,332	5,331	0.7%	179	Yes	Yes	Yes	365	1,095	183	\$27	\$29,297	32,621	10,874	\$352,133	\$5,236,718	\$1,745,573	
1,001-10K	\$32.38	14,755	355	158	0.5%	70	Yes	Yes	Yes	365	1,095	183	\$27	\$29,297	12,722	4,241	\$137,330	\$2,042,289	\$680,763	
10,001-100K	\$32.38	5,278	5	2	0.1%	4	Yes	Yes	Yes	365	1,095	183	\$27	\$29,297	731	244	\$7,895	\$117,405	\$39,135	
>100K	\$32.38	810	0	0	0.0%	0	Yes	Yes	Yes	365	1,095	183	\$27	\$29,297	0	0	\$0	\$0	\$0	
Total		38,039	3,692	5,491		252									46,074	15,358	\$497,357	\$7,396,412	\$2,465,471	

Note: Groundwater systems serving ≤10,000 people are not expected to use chlorine dioxide (therefore no sampling requirements).

Burden estimates take into account the results of the August 2011 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. Costs are adjusted to \$2010.

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 All PWSs	Applicability (Is Monitoring Required?)			Annual Samples Required Per Plant (1 per day)	Total Samples Required Per Plant	Total Sampling Burden Per Plant (hrs) (part of CLO2 daily)	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			Year 1	Year 2	Year 3										
	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	\$32.38	3,965	350	0.0%	0	Yes	Yes	Yes	365	1,095	0	\$0	\$0	0	0	\$0	\$0	\$0
1,001-10K	\$32.38	5,764	104	4.8%	281	Yes	Yes	Yes	365	1,095	0	\$0	\$0	0	0	\$0	\$0	\$0
10,001-100K	\$32.38	3,488	7	7.3%	257	Yes	Yes	Yes	365	1,095	0	\$0	\$0	0	0	\$0	\$0	\$0
>100K	\$32.38	1,074	1	5.7%	61	Yes	Yes	Yes	365	1,095	0	\$0	\$0	0	0	\$0	\$0	\$0
Total		14,291	462		598									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 August 2011 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. Costs are adjusted to \$2010.

PWSs - Groundwater

Population Category	Hourly Labor Rate	Number of Entry Points		Percent Chlorine Dioxide	Number of Affected Entry Points All PWSs	Applicability (Is Monitoring Required?)			Annual Samples Required Per Plant (1 per day)	Total Samples Required Per Plant	Total Sampling Burden Per Plant (part of CLO2 daily)	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			Year 1	Year 2	Year 3										
	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	\$32.38	17,196	3,332	0.7%	142	Yes	Yes	Yes	365	1,095	0	\$0	\$0	0	0	\$0	\$0	\$0
1,001-10K	\$32.38	14,755	355	0.5%	69	Yes	Yes	Yes	365	1,095	0	\$0	\$0	0	0	\$0	\$0	\$0
10,001-100K	\$32.38	5,278	5	0.1%	4	Yes	Yes	Yes	365	1,095	0	\$0	\$0	0	0	\$0	\$0	\$0
>100K	\$32.38	810	0	0.0%	0	Yes	Yes	Yes	365	1,095	0	\$0	\$0	0	0	\$0	\$0	\$0
Total		38,039	3,692		215									0	0	\$0	\$0	\$0

Note :

- 1) Groundwater systems <10,000 are not expected to use chlorine dioxide (therefore no chlorite sampling requirements).
- 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 August 2011 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. Costs are adjusted to \$2010.

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 (3 per month)	Total Samples Required Per System	Total Sampling Burden Per System (hrs) (20 min. per sample)	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
		A	B			C	D	E=(B+C)*D											F
101-1,000	\$32.38	3,326	350	0.0%	0	Yes	Yes	Yes	36	108	36	\$167	\$18,060	0	0	\$0	\$0	\$0	
1,001-10K	\$32.38	4,671	104	4.8%	229	Yes	Yes	Yes	36	108	36	\$167	\$18,060	8,231	2,744	\$88,853	\$4,129,285	\$1,376,428	
10,001-100K	\$32.38	2,312	7	7.3%	170	Yes	Yes	Yes	36	108	36	\$167	\$18,060	6,127	2,042	\$66,144	\$3,073,925	\$1,024,642	
>100K	\$32.38	343	1	5.7%	19	Yes	Yes	Yes	36	108	36	\$167	\$18,060	700	233	\$7,558	\$351,254	\$117,085	
Total		10,652	462		418									15,059	5,020	\$162,555	\$7,554,464	\$2,518,155	

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 August 2011 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. Costs are adjusted to \$2010.

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 (3 per month)	Total Samples Required Per System	Total Sampling Burden Per System (hrs) (20 min. per sample)	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
		A	B			C	D	E=(B+C)*D											F
101-1,000	\$32.38	18,200	8,126	0.7%	182	Yes	Yes	Yes	36	108	36	\$167	\$18,060	6,551	2,184	\$70,717	\$3,286,466	\$1,095,489	
1,001-10K	\$32.38	8,432	867	0.5%	42	Yes	Yes	Yes	36	108	36	\$167	\$18,060	1,528	509	\$16,498	\$766,737	\$255,579	
10,001-100K	\$32.38	1,472	12	0.1%	1	Yes	Yes	Yes	36	108	36	\$167	\$18,060	41	14	\$437	\$20,320	\$6,773	
>100K	\$32.38	70	0	0.0%	0	Yes	Yes	Yes	36	108	36	\$167	\$18,060	0	0	\$0	\$0	\$0	
Total		28,174	9,005		226									8,120	2,707	\$87,653	\$4,073,523	\$1,357,841	

Notes:

- 1) Groundwater systems serving <10,000 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 August 2011 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. Costs are adjusted to \$2010.

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

Disinfecting Groundwater Systems

Population Category	Hourly Labor Rate	Number of Systems		Applicability (Is Monitoring Required?)			Annual Samples Required Per System <small>(Based on TCR schedule)</small>	Total Samples Required Per System	Total Sampling Burden Per System (hrs) <small>(10 min. per sample)</small>	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										
	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	\$32.38	20,690	6,846	Yes	Yes	Yes	9	27	5	\$27	\$732	125,506	41,835	\$1,354,791	\$20,147,660	\$6,715,887
1,001-3,300	\$32.38	5,270	313	Yes	Yes	Yes	26	78	13	\$27	\$2,096	72,890	24,297	\$786,820	\$11,701,133	\$3,900,378
3,301-10K	\$32.38	2,504	42	Yes	Yes	Yes	75	225	38	\$27	\$6,029	95,617	31,872	\$1,032,152	\$15,349,569	\$5,116,523
10,001-50K	\$32.38	1,232	5	Yes	Yes	Yes	257	771	129	\$27	\$20,639	159,079	53,026	\$1,717,199	\$25,537,195	\$8,512,398
50,001-100K	\$32.38	142	0	Yes	Yes	Yes	827	2,482	414	\$27	\$66,403	58,633	19,544	\$632,922	\$9,412,456	\$3,137,485
100,001-1M	\$32.38	63	0	Yes	Yes	Yes	1,487	4,462	744	\$27	\$119,382	46,762	15,587	\$504,782	\$7,506,821	\$2,502,274
>1M	\$32.38	3	0	Yes	Yes	Yes	4,080	12,240	2,040	\$27	\$327,485	5,744	1,915	\$62,002	\$922,056	\$307,352
Total		29,903	7,206									564,229	188,076	\$6,090,668	\$90,576,888	\$30,192,296

Notes:
 1) Surface water system residual monitoring under the SWTR satisfies this requirement for the Stage 1 DBPR. Only groundwater systems are analyzed here.
 2) Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

Source: Applicability, burden, and costs carried forward from the 1998 Stage 1 DBPR RIA and ICR . Number of samples based on requirements for monthly TCR sampling (see Exhibit 2).

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
57	\$ 43.79	12,358	37,109	9	1	148,335	\$6,495,883

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**

Bromate Monitoring Burden Per Sample		
2008 Burden	Task	Revised Burden
0.33 hr	Bromate Monitoring	0.5 hr

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	Year 2	Year 3	Total	Annual Average
		January 1, 2012 - December 31, 2012	January 1, 2013 - December 31, 2013	January 1, 2014 - December 31, 2014		
Burden (hours)	2	12,307	32,353	47,864	92,525	30,842
Respondents (number)	3	676	24,394	47,851	47,851	24,307
Responses (number)	4	6,712	14,612	18,909	40,233	13,411
Costs (dollars)	5	\$2,168,589	\$4,961,171	\$6,591,209	\$13,720,968	\$4,573,656
Labor		\$473,796	\$1,122,805	\$1,550,043	\$3,146,644	\$1,048,881
O&M		\$1,694,793	\$3,838,366	\$5,041,166	\$10,574,324	\$3,524,775
Capital		\$0	\$0	\$0	\$0	\$0
Burden per respondent						1.27
Cost per respondent						\$ 188.16

States

	Source (Exhibit)	Year 1	Year 2	Year 3	Total	Annual Average
		January 1, 2012 - December 31, 2012	January 1, 2013 - December 31, 2013	January 1, 2014 - December 31, 2014		
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	\$2,225,597	\$2,225,597	\$2,225,597	\$6,676,791	\$2,225,597
Labor		\$2,225,597	\$2,225,597	\$2,225,597	\$6,676,791	\$2,225,597
O&M		\$0	\$0	\$0	\$0	\$0
Capital		\$0	\$0	\$0	\$0	\$0
Burden per respondent						891.61
Cost per respondent						\$ 39,045.56

Sum for PWSs and States

	Source (Exhibit)	Year 1	Year 2	Year 3	Total	Annual Average
		January 1, 2012 - December 31, 2012	January 1, 2013 - December 31, 2013	January 1, 2014 - December 31, 2014		
Burden (hours)	2	63,129	83,175	98,686	244,991	81,664
Respondents (number)	3	733	24,451	47,908	47,908	24,364
Responses (number)	4	6,826	14,726	19,023	40,575	13,525
Costs (dollars)	5	\$4,394,186	\$7,186,768	\$8,816,806	\$20,397,759	\$6,799,253
Labor		\$2,699,393	\$3,348,402	\$3,775,641	\$9,823,435	\$3,274,478
O&M		\$1,694,793	\$3,838,366	\$5,041,166	\$10,574,324	\$3,524,775
Capital		\$0	\$0	\$0	\$0	\$0
Burden per respondent						3.35
Cost per respondent						\$ 279.07

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	Year 2	Year 3	Total	Annual Average
		January 1, 2012 - December 31, 2012	January 1, 2013 - December 31, 2013	January 1, 2014 - December 31, 2014		
Subpart H and Mixed CWSs						
Implementation [1]	19a	-	-	-	-	-
IDSE (monitoring, system studies or additional sample sites) [2]	19a	-	-	-	-	-
Monitoring Plans	19a	-	-	-	-	-
Routine Monitoring	19a	9,628	18,017	23,476	51,121	17,040
Operational Evaluations	19a	4,739	11,384	16,528	32,651	10,884
Disinfecting Ground Water CWSs						
Implementation [1]	19a	-	-	-	-	-
IDSE (monitoring, system studies or additional sample sites) [2]	19a	-	-	-	-	-
Monitoring Plans	19a	-	-	-	-	-
Routine Monitoring	19a	(2,116.73)	571.63	3,161.95	1,617	539
Operational Evaluations	19a	-	-	-	-	-
Subpart H and Mixed NTNCWSs						
Implementation [1]	19b	-	-	-	-	-
IDSE (monitoring, system studies or additional sample sites) [2]	19b	-	-	-	-	-
Monitoring Plans	19b	-	-	-	-	-
Routine Monitoring	19b	48.00	135.00	222.00	405	135
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	19b	9.26	2,245.43	4,476.59	6,731	2,244
Operational Evaluations	19b	-	-	-	-	-
Yearly Total		12,307.40	32,353.42	47,864.49	92,525	30,842

States						
	Source (Exhibit)	Year 1	Year 2	Year 3	Total	Annual Average
		January 1, 2012 - December 31, 2012	January 1, 2013 - December 31, 2013	January 1, 2014 - December 31, 2014		
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	Year 2	Year 3	Total	Annual Average
		January 1, 2012 - December 31, 2012	January 1, 2013 - December 31, 2013	January 1, 2014 - December 31, 2014		
CWSs		12,250.13	29,972.99	43,165.89	85,389	28,463
NTNCWSs		57.26	2,380.43	4,698.59	7,136	2,379
States and Territories		50,822.00	50,822.00	50,822.00	152,466	50,822
Yearly Total		63,129.40	83,175.42	98,686.49	244,991	81,664

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

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

[2] IDSE: Systems serving fewer than 50,000 people are assumed to have completed their IDSE activities during the previous ICR period.

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

[6] State cost and burden associated with IDSE are allocated based on the numbers of systems conducting IDSEs.

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

PWSs [2]

	Source (Exhibit)	Year 1	Year 2	Year 3	Total [5]	Annual Average
		January 1, 2012 - December 31, 2012	January 1, 2013 - December 31, 2013	January 1, 2014 - December 31, 2014		
Subpart H and Mixed CWSs						
Implementation* [3]	7	0	0	0	0	0
IDSE (monitoring, system studies o additional sample sites) [4]	8a & 8b	0	0	0	0	0
Monitoring Plans [5]	12	0	0	0	0	0
Routine Monitoring	13a	544	6,187	11,635	11,635	6,122
Operational Evaluations	14	118	304	452	452	291
Disinfecting Ground Water CWSs						
Implementation* [3]	7	0	0	0	0	0
IDSE (monitoring, system studies o additional sample sites) [4]	8a & 8b	0	0	0	0	0
Monitoring Plans [5]	12	0	0	0	0	0
Routine Monitoring	13a	130	14,244	28,290	28,290	14,221
Operational Evaluations	14	0	0	0	0	0
Subpart H and Mixed NTCWSS						
Implementation* [3]	7	0	0	0	0	0
IDSE (monitoring, system studies o additional sample sites) [4]	8a & 8b	0	0	0	0	0
Monitoring Plans [5]	12	0	0	0	0	0
Routine Monitoring	13a	2	361	719	719	361
Operational Evaluations	14	0	0	0	0	0
Disinfecting Ground Water NTCWSS						
Implementation* [3]	7	0	0	0	0	0
IDSE (monitoring, system studies o additional sample sites) [4]	8a & 8b	0	0	0	0	0
Monitoring Plans [5]	12	0	0	0	0	0
Routine Monitoring	13a	0	3,603	7,206	7,206	3,603
Operational Evaluations	14	0	0	0	0	0
Yearly Total [8]		676	24,394	47,851	47,851	24,307

States [6]

	Source (Exhibit)	Year 1	Year 2	Year 3	Total [5]	Annual Average
		January 1, 2012 - December 31, 2012	January 1, 2013 - December 31, 2013	January 1, 2014 - December 31, 2014		
States and Territories						
State rule implementation activities [6]	26	0	0	0	0	0
State IDSE activities [7]	26	0	0	0	0	0
State Monitoring Plans	26	0	0	0	0	0
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	Year 2	Year 3	Total [5]	Annual Average
		January 1, 2012 - December 31, 2012	January 1, 2013 - December 31, 2013	January 1, 2014 - December 31, 2014		
CWSs		674	20,431	39,925	39,925	20,343
NTNCWSS		2	3,964	7,925	7,925	3,964
States and Territories		57	57	57	57	57
Yearly Total		733	24,451	47,908	47,908	24,364

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 the previous ICR period.

[4] IDSE: Systems serving fewer than 50,000 are assumed to have completed the IDSE during the previous ICR period.

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

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

[7] State cost and burden associated with IDSE are allocated based on the number of systems conducting IDSEs.

[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	Year 2	Year 3	Total	Annual Average
		January 1, 2012 - December 31, 2012	January 1, 2013 - December 31, 2013	January 1, 2014 - December 31, 2014		
Subpart H and Mixed CWSs						
Implementation [1]	7	0	0	0	0	0
IDSE (monitoring, system studies or additional sample sites) [2]	9, 10, 11	0	0	0	0	0
Monitoring Plans [3]	12	0	0	0	0	0
Routine Monitoring	13	6,419	10,969	13,566	30,955	10,318
Operational Evaluations	14	118	304	452	874	291
Disinfecting Ground Water CWSs						
Implementation [1]	7	0	0	0	0	0
IDSE (monitoring, system studies or additional sample sites) [2]	9, 10, 11	0	0	0	0	0
Monitoring Plans [3]	12	0	0	0	0	0
Routine Monitoring [4]	13	(1,411)	206	1,758	554	185
Operational Evaluations	14	0	0	0	0	0
Subpart H and Mixed NTCWSs						
Implementation [1]	7	0	0	0	0	0
IDSE (monitoring, system studies or additional sample sites) [2]	9, 10, 11	0	0	0	0	0
Monitoring Plans [3]	12	0	0	0	0	0
Routine Monitoring	13	90	148	148	386	129
Operational Evaluations	14	0	0	0	0	0
Disinfecting Ground Water NTCWSs						
Implementation [1]	7	0	0	0	0	0
IDSE (monitoring, system studies or additional sample sites) [2]	9, 10, 11	0	0	0	0	0
Monitoring Plans [3]	12	0	0	0	0	0
Routine Monitoring	13	1,496	2,984	2,984	7,464	2,488
Operational Evaluations	14	0	0	0	0	0
Yearly Total		6,712	14,612	18,909	40,233	13,411

States

	Source (Exhibit)	Year 1	Year 2	Year 3	Total	Annual Average
		January 1, 2012 - December 31, 2012	January 1, 2013 - December 31, 2013	January 1, 2014 - December 31, 2014		
States and Territories						
State rule implementation activities [5]	26	0	0	0	-	-
State IDSE activities [6]	26	0	0	0	-	-
State Monitoring Plans	26	0	0	0	-	-
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	Year 2	Year 3	Total	Annual Average
		January 1, 2012 - December 31, 2012	January 1, 2013 - December 31, 2013	January 1, 2014 - December 31, 2014		
CWSs		5,126	11,480	15,777	32,383	10,794
NTCWSs		1,586	3,132	3,132	7,850	2,617
States and Territories		114	114	114	342	114
Yearly Total		6,826	14,726	19,023	40,575	13,525

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

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

[2] IDSEs are assumed to have been completed during the previous ICR period.

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

[6] Systems serving fewer than 50,000 are expected to have completed IDSEs during the previous ICR period.

**Exhibit 5:
Cost for the ICR Approval Period**

PWSs															
	Source (Exhibit)	Year 1			Year 2			Year 3			Total			Total	Annual Average
		January 1, 2012 - December 31, 2012			January 1, 2013 - December 31, 2013			January 1, 2014 - December 31, 2014							
		Labor	O&M	Capital	Labor	O&M	Capital	Labor	O&M	Capital	Labor	O&M	Capital		
Subpart H and Mixed CWSs															
Implementation [1]	20a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
IDSE (monitoring, system studies or additional sample sites) [2]	20a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Monitoring Plans [3]	20a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Routine Monitoring	20a	\$311,793	\$1,597,401	\$0	\$583,474	\$2,865,948	\$0	\$760,245	\$3,648,242	\$0	\$1,655,512	\$8,111,592	\$0	\$9,767,104	\$3,255,701
Operational Evaluations	20a	\$153,464	\$0	\$0	\$368,659	\$0	\$0	\$535,243	\$0	\$0	\$1,057,366	\$0	\$0	\$1,057,366	\$352,455
Disinfecting Ground Water															
CWSs															
Implementation [1]	20a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
IDSE (monitoring, system studies or additional sample sites) [2]	20a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Monitoring Plans [3]	20a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Routine Monitoring [4]	20a	\$(68,548)	\$(351,192)	\$0	\$18,512	\$85,580	\$0	\$102,396	\$506,086	\$0	\$52,360	\$240,474	\$0	\$292,834	\$97,611
Operational Evaluations	20a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subpart H and Mixed NTCWSs															
Implementation [1]	20b	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
IDSE (monitoring, system studies or additional sample sites) [2]	20b	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Monitoring Plans [3]	20b	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Routine Monitoring	20b	\$4,372	\$24,460	\$0	\$7,189	\$40,957	\$0	\$7,189	\$40,957	\$0	\$18,750	\$106,373	\$0	\$125,124	\$41,708
Operational Evaluations	20b	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Disinfecting Ground Water NTCWSs															
Implementation [1]	20b	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
IDSE (monitoring, system studies or additional sample sites) [2]	20b	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Monitoring Plans [3]	20b	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Routine Monitoring	20b	\$72,716	\$424,123	\$0	\$144,970	\$845,881	\$0	\$144,970	\$845,881	\$0	\$362,656	\$2,115,885	\$0	\$2,478,541	\$826,180
Operational Evaluations	20b	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Yearly Total		\$473,796	\$1,694,793	\$0	\$1,122,805	\$3,838,366	\$0	\$1,550,043	\$5,041,166	\$0	\$3,146,644	\$10,574,324	\$0	\$13,720,968	\$4,573,656

States															
	Source (Exhibit)	Year 1			Year 2			Year 3			Total			Total	Annual Average
		January 1, 2012 - December 31, 2012			January 1, 2013 - December 31, 2013			January 1, 2014 - December 31, 2014							
		Labor	O&M	Capital	Labor	O&M	Capital	Labor	O&M	Capital	Labor	O&M	Capital		
States and Territories															
State rule implementation activities [5]	20a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State IDSE activities [6]	20a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Monitoring Plans	20a	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
State Routine Monitoring	20a	\$2,076,792	\$0	\$0	\$2,076,792	\$0	\$0	\$2,076,792	\$0	\$0	\$6,230,375	\$0	\$0	\$6,230,375	\$2,076,792
State Operational Evaluations	20a	\$148,805	\$0	\$0	\$148,805	\$0	\$0	\$148,805	\$0	\$0	\$446,416	\$0	\$0	\$446,416	\$148,805
Yearly Total		\$2,225,597	\$0	\$0	\$2,225,597	\$0	\$0	\$2,225,597	\$0	\$0	\$6,676,791	\$0	\$0	\$6,676,791	\$2,225,597

Sum for PWSs and States															
	Source (Exhibit)	Year 1			Year 2			Year 3			Total			Total	Annual Average
		January 1, 2012 - December 31, 2012			January 1, 2013 - December 31, 2013			January 1, 2014 - December 31, 2014							
		Labor	O&M	Capital	Labor	O&M	Capital	Labor	O&M	Capital	Labor	O&M	Capital		
CWSs		\$396,708	\$1,246,209	\$0	\$970,645	\$2,951,529	\$0	\$1,397,884	\$4,154,328	\$0	\$2,765,238	\$8,352,066	\$0	\$11,117,304	\$3,705,768
NTNCWSs		\$77,088	\$448,584	\$0	\$152,159	\$886,837	\$0	\$152,159	\$886,837	\$0	\$381,406	\$2,222,258	\$0	\$2,603,665	\$867,888
States and Territories		\$2,225,597	\$0	\$0	\$2,225,597	\$0	\$0	\$2,225,597	\$0	\$0	\$6,676,791	\$0	\$0	\$6,676,791	\$2,225,597
Yearly Total		\$2,699,393	\$1,694,793	\$0	\$3,348,402	\$3,838,366	\$0	\$3,775,641	\$5,041,166	\$0	\$9,823,435	\$10,574,324	\$0	\$20,397,759	\$6,799,253

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

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

[2] IDSE: Systems are assumed to have completed the IDSE during the previous ICR period.

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

[6] State cost and burden associated with IDSE are allocated based on the number of systems conducting IDSEs.

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			
	Non-Purchased	Purchased	Total				100% Purchasing Systems		Producing Systems	
							Systems	Plants	Systems	Plants
							G=Round [B*D*F]	H=Round [E*G]	I=Round [(C-(B*D))*F]	J=Round [E*I]
A	B	C = A + B	D	E	F					
Subpart H and Mixed CWSs										
<500	1,039	2,043	3,081	80%	1.0	100%	1,644	1,725	1,437	1,508
500-3,300	1,320	2,434	3,755	80%	1.0	100%	1,959	1,979	1,796	1,814
3,301-9,999	1,006	1,131	2,137	80%	1.1	100%	910	973	1,227	1,313
10,000-49,999	978	944	1,922	80%	1.1	100%	760	821	1,162	1,255
50,000-249,999	381	243	624	80%	1.4	100%	196	269	428	588
250,000-999,999	81	15	96	80%	1.7	100%	12	20	84	142
1,000,000-4,999,999	16	2	18	80%	3.7	100%	2	7	16	59
≥5 M	1	-	1	80%	3.7	100%	-	-	1	4
National Totals	4,822	6,813	11,635				5,483	5,794	6,151	6,683
100% Ground Water CWSs (Disinfecting)										
<500	23,880	1,277	25,157	100%	1.1	65%	830	943	15,521	17,625
500-9,999	12,048	1,079	13,127	100%	1.7	80%	866	1,496	9,668	16,697
10,000-99,999	1,427	45	1,472	100%	3.8	91%	41	155	1,302	4,933
100,000-499,999	62	1	63	100%	12.3	90%	1	12	56	681
> 500,000	7	-	7	100%	12.3	90%	-	-	6	77
National Totals	37,423	2,402	39,825				1,738	2,606	26,553	40,013
Subpart H and Mixed NTNCWSs										
<500	266	241	507	85%	1.0	100%	205	205	302	302
500-3,300	89	86	175	85%	1.0	100%	73	73	102	102
3,301-9,999	7	22	29	85%	1.0	100%	19	19	10	10
10,000-49,999	1	5	6	85%	1.0	100%	4	4	2	2
50,000-249,999	-	2	2	85%	1.0	100%	2	2	-	-
250,000-999,999	-	-	-	85%	1.0	100%	-	-	-	-
1,000,000-4,999,999	-	-	-	85%	1.0	100%	-	-	-	-
≥5 M	-	-	-	85%	1.0	100%	-	-	-	-
National Totals	363	356	719				303	303	416	416
100% Ground Water NTNCWSs (Disinfecting)										
<500	14,721	98	14,819	100%	1.0	41%	40	40	6,036	6,036
500-9,999	2,708	37	2,745	100%	1.0	41%	15	15	1,110	1,110
10,000-99,999	10	2	12	100%	1.0	41%	1	1	4	4
100,000-499,999	-	-	-	100%	1.0	41%	-	-	-	-
> 500,000	-	-	-	100%	1.0	41%	-	-	-	-
National Totals	17,439	137	17,576				56	56	7,150	7,150
Grand Total	60,047	9,708	69,755				7,580	8,759	40,270	54,262

Sources: (A), (B) October 2010 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 SDWIS FY2010 data. All surface water systems are required to disinfect under the Surface Water Treatment Rule.

**Exhibit 7: Rule Implementation Costs for Systems
(Activity Completed in 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	3,081	8	15	\$ 32.38	\$ 2,295,187	70,874	34.1
500-3,300	3,755	8	15	\$ 32.38	\$ 2,796,634	86,359	41.5
3,301-9,999	2,137	8	15	\$ 32.38	\$ 1,592,033	49,161	23.6
10,000-49,999	1,922	40	15	\$ 32.38	\$ 3,423,313	105,710	50.8
50,000-249,999	624	40	15	\$ 32.38	\$ 1,111,419	34,320	16.5
250,000-999,999	96	40	75	\$ 32.38	\$ 357,519	11,040	5.3
1,000,000-4,999,999	18	40	75	\$ 32.38	\$ 67,035	2,070	1.0
≥5 M	1	40	75	\$ 32.38	\$ 3,724	115	0.1
National Totals	11,635				\$ 11,646,864	359,649	172.9
100% Ground Water CWSs (Disinfecting)							
<500	16,350	8	15	\$ 32.38	\$ 12,178,258	376,058	180.8
500-9,999	10,534	8	15	\$ 32.38	\$ 7,846,209	242,287	116.5
10,000-99,999	1,343	40	15	\$ 32.38	\$ 2,392,248	73,871	35.5
100,000-499,999	57	40	15	\$ 32.38	\$ 100,664	3,108	1.5
> 500,000	6	40	15	\$ 32.38	\$ 11,185	345	0.2
National Totals	28,290				\$ 22,528,564	695,670	334.5
Surface Water NTCWSs							
<500	507	8	15	\$ 32.38	\$ 377,862	11,668	5.6
500-3,300	175	8	15	\$ 32.38	\$ 130,415	4,027	1.9
3,301-9,999	29	8	15	\$ 32.38	\$ 21,600	667	0.3
10,000-49,999	6	40	15	\$ 32.38	\$ 10,687	330	0.2
50,000-249,999	2	40	15	\$ 32.38	\$ 3,562	110	0.1
250,000-999,999	-	40	25	N/A	\$ -	-	-
1,000,000-4,999,999	-	40	25	N/A	\$ -	-	-
≥5 M	-	40	25	N/A	\$ -	-	-
National Totals	719				\$ 544,127	16,802	8.1
100% Ground Water NTCWSs (Disinfecting)							
<500	6,076	8	15	\$ 32.38	\$ 4,525,348	139,740	67.2
500-9,999	1,125	8	15	\$ 32.38	\$ 838,252	25,885	12.4
10,000-99,999	5	40	15	\$ 32.38	\$ 8,763	271	0.1
100,000-499,999	-	40	15	\$ 32.38	\$ -	-	-
> 500,000	-	40	15	N/A	\$ -	-	-
National Totals	7,206				\$ 5,372,363	165,896	79.8
Grand Totals	47,851				\$ 40,091,918	1,238,016	595.2

Notes: Detail may not add due to rounding.
1 FTE=2,080 hours (40 hours/week; 52 weeks/year).

Burden estimates take into account the results of the August 2011 consultation 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 2010 Bureau of Labor Statistics SOC Code 51-8031, "Local Government - Water and Liquid Waste Treatment Plant and System Operators," updated to \$2010.

Exhibit 8a: Percent and Number of 100 Percent Purchasing Systems in Each IDSE Category
(Note: IDSE Completed in 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	1,644	0%	0%	0%	1,644	0	0
500-3,300	1,959	0%	0%	0%	1,959	0	0
3,301-9,999	910	0%	0%	0%	910	0	0
10,000-49,999	760	0%	14%	0%	654	106	0
50,000-249,999	196	0%	14%	5%	161	27	8
250,000-999,999	12	0%	14%	10%	9	2	1
1,000,000-4,999,999	2	0%	14%	10%	2	0	0
≥5 M	-	0%	14%	10%	-	0	0
National Totals	5,483				5,339	135	9
100% Ground Water CWSs (Disinfecting)							
<500	830	0%	0%	0%	830	0	0
500-9,999	866	0%	0%	0%	866	0	0
10,000-99,999	41	0%	82%	0%	7	34	0
100,000-499,999	1	0%	66%	10%	0	1	0
> 500,000	0	0%	79%	10%	0	0	0
National Totals	1,738				1,703	35	0
Subpart H and Mixed NTCWSs							
<500	205	N/A	N/A	N/A	N/A	N/A	N/A
500-3,300	73	N/A	N/A	N/A	N/A	N/A	N/A
3,301-9,999	19	N/A	N/A	N/A	N/A	N/A	N/A
10,000-49,999	4	0%	14%	0%	3	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 M	0	0%	14%	0%	0	0	0
National Totals	303				5	1	0
100% Ground Water NTCWSs (Disinfecting)							
<500	40	N/A	N/A	N/A	N/A	N/A	N/A
500-9,999	15	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	56				0	1	0
Grand Totals	7,580				7,046	172	9

Notes: Detail may not add due to rounding.
 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 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	1,437	100%	0%	0%	-	0	0
500-3,300	1,796	0%	14%	0%	1,545	251	0
3,301-9,999	1,227	0%	14%	0%	1,055	172	0
10,000-49,999	1,162	0%	14%	0%	999	163	0
50,000-249,999	428	0%	14%	5%	350	60	18
250,000-999,999	84	0%	14%	10%	65	12	7
1,000,000-4,999,999	16	0%	14%	10%	13	2	1
≥5 M	1	0%	14%	10%	1	0	0
National Totals	6,152				4,029	660	26
100% Ground Water CWSs (Disinfecting)							
<500	15,521	100%	0%	0%	0	0	0
500-9,999	9,668	0%	89%	0%	1,084	8,584	0
10,000-99,999	1,302	0%	82%	0%	230	1,072	0
100,000-499,999	56	0%	66%	10%	18	36	2
> 500,000	6	0%	79%	10%	1	5	0
National Totals	26,553				1,333	9,697	2
Subpart H and Mixed NTCWSs							
<500	302	N/A	N/A	N/A	N/A	N/A	N/A
500-3,300	102	N/A	N/A	N/A	N/A	N/A	N/A
3,301-9,999	10	N/A	N/A	N/A	N/A	N/A	N/A
10,000-49,999	2	0%	14%	0%	2	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 M	0	0%	14%	0%	0	0	0
National Totals	416				2	-	-
100% Ground Water NTCWSs (Disinfecting)							
<500	6,035	N/A	N/A	N/A	N/A	N/A	N/A
500-9,999	1,110	N/A	N/A	N/A	N/A	N/A	N/A
10,000-99,999	4	0%	92%	0%	0	4	0
100,000-499,999	0	0%	92%	0%	0	0	0
> 500,000	0	0%	92%	0%	0	0	0
National Totals	7,150				0	4	-
Grand Totals	40,271				5,364	10,361	28

Notes: Detail may not add due to rounding.
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 Previous ICR Period)**

Size Category	Total Number of Systems that Monitor	Sampling				Develop IDSE Monitoring Plan & Report			Total Labor Cost	Total Non-Labor Cost	Total Cost	Total Burden (Hours)	Total Burden (FTEs)
		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					
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	1,644	2	1.5	\$ 32.38	\$ 284	6	16	\$ 32.38	\$ 1,331,077	\$ 935,242	\$ 2,266,319	41,103	19.8
500-3,300	3,504	8	1.5	\$ 32.38	\$ 284	6	16	\$ 32.38	\$ 3,857,790	\$ 7,972,244	\$ 11,830,034	119,126	57.3
3,301-9,999	1,965	16	1.5	\$ 32.38	\$ 284	6	16	\$ 32.38	\$ 2,927,844	\$ 8,944,191	\$ 11,872,035	90,410	43.5
10,000-49,999	1,653	48	1.5	\$ 32.38	\$ 249	20	16	\$ 32.38	\$ 5,781,321	\$ 19,746,203	\$ 25,527,525	178,524	85.8
50,000-249,999	511	96	1.5	\$ 32.38	\$ 249	20	24	\$ 32.38	\$ 3,111,066	\$ 12,208,481	\$ 15,319,548	96,068	46.2
250,000-999,999	74	144	1.5	\$ 32.38	\$ 249	80	40	\$ 32.38	\$ 805,196	\$ 2,651,940	\$ 3,457,136	24,864	12.0
1,000,000-4,999,999	15	192	1.5	\$ 32.38	\$ 249	100	60	\$ 32.38	\$ 217,620	\$ 716,741	\$ 934,361	6,720	3.2
≥5 M	1	240	1.5	\$ 32.38	\$ 249	100	60	\$ 32.38	\$ 16,840	\$ 59,728	\$ 76,568	520	0.3
National Totals	9,367								\$ 18,048,754	\$ 53,234,771	\$ 71,283,525	557,336	267.9
100% Ground Water CWSs (Disinfecting)													
<500	830	2	1.5	\$ 32.38	\$ 284	6	16	\$ 32.38	\$ 671,733	\$ 471,974	\$ 1,143,707	20,743	10.0
500-9,999	1,950	8	1.5	\$ 32.38	\$ 284	6	16	\$ 32.38	\$ 2,147,279	\$ 4,437,420	\$ 6,584,699	66,307	31.9
10,000-99,999	237	24	1.5	\$ 32.38	\$ 249	12	16	\$ 32.38	\$ 491,437	\$ 1,416,245	\$ 1,907,682	15,175	7.3
100,000-499,999	18	32	1.5	\$ 32.38	\$ 249	30	24	\$ 32.38	\$ 58,203	\$ 140,325	\$ 198,528	1,797	0.86
> 500,000	1	48	1.5	\$ 32.38	\$ 249	90	24	\$ 32.38	\$ 7,708	\$ 15,287	\$ 22,995	238	0.1
National Totals	3,036								\$ 3,376,361	\$ 6,481,251	\$ 9,857,612	104,260	50.1
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	\$ 32.38	\$ 249	20	16	\$ 32.38	\$ 17,487	\$ 59,728	\$ 77,216	540	0.3
50,000-249,999	2	96	1.5	\$ 32.38	\$ 249	20	24	\$ 32.38	\$ 12,176	\$ 47,783	\$ 59,959	376	0.2
250,000-999,999	0	144	1.5	N/A	\$ 249	80	40	N/A	\$ -	\$ -	\$ -	-	-
1,000,000-4,999,999	0	192	1.5	N/A	\$ 249	100	60	N/A	\$ -	\$ -	\$ -	-	-
≥5 M	0	240	1.5	N/A	\$ 249	100	60	N/A	\$ -	\$ -	\$ -	-	-
National Totals	7								\$ 29,664	\$ 107,511	\$ 137,175	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	\$ 32.38	\$ 249	12	16	\$ 32.38	\$ 207	\$ 597	\$ 805	6	0.0
100,000-499,999	0	32	1.5	\$ 32.38	\$ 249	30	24	\$ 32.38	\$ -	\$ -	\$ -	-	-
> 500,000	0	48	1.5	N/A	\$ 249	90	24	N/A	\$ -	\$ -	\$ -	-	-
National Totals	0								\$ 207	\$ 597	\$ 805	6	0.0
Grand Totals	12,410								\$ 21,454,986	\$ 59,824,130	\$ 81,279,116	662,518	318.5

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 the August 2011 consultation 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 2010 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, updated to \$2010. \$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.

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

(H) Labor rates from 2010 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 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	26	40	100	40	\$ 32.38	\$ 151,557	4,680	2.3
250,000-999,999	8	40	100	40	\$ 32.38	\$ 46,633	1,440	0.7
1,000,000-4,999,999	1	40	100	40	\$ 32.38	\$ 5,829	180	0.1
≥5 M	-	-	-	-	\$ -	\$ -	-	-
National Total	35					\$ 204,019	6,300	3.0
100% Ground Water CWSs (Disinfecting)								
<500	-	-	-	-	\$ -	\$ -	-	-
500-9,999	-	-	-	-	\$ -	\$ -	-	-
10,000-99,999	-	-	-	-	\$ -	\$ -	-	-
100,000-499,999	2	40	100	40	\$ 32.38	\$ 11,658	360	0.2
> 500,000	-	-	-	-	\$ -	\$ -	-	-
National Total	2					\$ 11,658	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 M	-	-	-	-	\$ -	\$ -	-	-
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	37					\$ 215,677	6,660	3.2

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 the August 2011 consultation 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 2010 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 Previous ICR Period)**

Size Category	Selecting Additional Sites		Preparing IDSE Report		Cost per Labor Hour	Total Cost	Total Burden (Hours)	Total Burden (FTEs)
	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				
	A	B	C	D	E	F = (A*B+C*D)*E	G = A*B+C*D	H = G/2,080
Subpart H and Mixed CWSSs								
<500	-	3	-	4	\$ 32.38	\$ -	-	-
500-3,300	-	4	251	4	\$ 32.38	\$ 32,514	1,004	0.5
3,301-9,999	172	4	172	4	\$ 32.38	\$ 44,560	1,376	0.7
10,000-49,999	-	8	269	6	\$ 32.38	\$ 52,268	1,614	0.8
50,000-249,999	87	8	87	6	\$ 32.38	\$ 39,444	1,218	0.6
250,000-999,999	14	8	14	6	\$ 32.38	\$ 6,347	196	0.1
1,000,000-4,999,999	2	8	2	6	\$ 32.38	\$ 907	28	0.0
≥5 M	-	8	-	6	\$ 32.38	\$ -	-	-
National Totals	275		795			\$ 176,039	5,436	2.6
100% Ground Water CWSSs (Disinfecting)								
<500	-	3	-	4	\$ 32.38	\$ -	-	-
500-9,999	8,584	4	8,584	4	\$ 32.38	\$ 2,223,874	68,672	33.0
10,000-99,999	1,106	8	1,106	6	\$ 32.38	\$ 501,434	15,484	7.4
100,000-499,999	-	8	37	6	\$ 32.38	\$ 7,189	222	0.1
> 500,000	-	8	5	6	\$ 32.38	\$ 972	30	0.0
National Totals	9,690		9,732			\$ 2,733,469	84,408	40.6
Subpart H and Mixed NTCWSSs								
<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	\$ 32.38	\$ 194	6	0.0
50,000-249,999	-	8	-	6	\$ 32.38	\$ -	-	-
250,000-999,999	-	8	-	6	N/A	\$ -	-	-
1,000,000-4,999,999	-	8	-	6	N/A	\$ -	-	-
≥5 M	-	8	-	6	N/A	\$ -	-	-
National Totals	-		1			\$ 194	6	0.0
100% Ground Water NTCWSSs (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	5	8	5	6	\$ 32.38	\$ 2,267	70	0.0
100,000-499,999	-	8	-	6	\$ 32.38	\$ -	-	-
> 500,000	-	8	-	6	N/A	\$ -	-	-
National Totals	5		5			\$ 2,267	70	0.0
Grand Totals	9,970		10,533			\$ 2,911,969	89,920	43.2

Notes: Shaded areas represent systems that are not subject to IDSE requirements.
 Burden estimates take into account the results of the August 2011 consultation 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 2010 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 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	1,644	1,437	-	5	-	\$ 32.38	\$ 266,215	8,221	4.0
500-3,300	3,755	-	-	5	8	\$ 32.38	\$ 607,964	18,774	9.0
3,301-9,999	2,137	-	-	5	8	\$ 32.38	\$ 346,094	10,687	5.1
10,000-49,999	1,922	-	-	10	8	\$ 32.38	\$ 622,420	19,220	9.2
50,000-249,999	624	-	-	10	8	\$ 32.38	\$ 202,076	6,240	3.0
250,000-999,999	96	-	-	20	8	\$ 32.38	\$ 62,177	1,920	0.9
1,000,000-4,999,999	18	-	-	40	8	\$ 32.38	\$ 23,316	720	0.3
≥5 M	1	-	-	40	8	\$ 32.38	\$ 1,295	40	0.0
National Totals	10,197	1,437	-				\$ 2,131,559	65,821	31.6
Disinfecting Ground Water Only CWSs									
<500	830	15,521	793	5	-	\$ 32.38	\$ 262,737	8,113	3.9
500-9,999	10,534	-	237	5	2	\$ 32.38	\$ 1,744,022	53,854	25.9
10,000-99,999	1,343	-	11	10	2	\$ 32.38	\$ 438,436	13,539	6.5
100,000-499,999	57	-	2	15	2	\$ 32.38	\$ 28,279	873	0.4
> 500,000	6	-	0	20	2	\$ 32.38	\$ 4,121	127	0.1
National Totals	12,770	15,521	1,042				\$ 2,477,596	76,507	36.8
Surface Water and Mixed NTNCWSs									
<500	-	507	-	5	-	\$ 32.38	\$ -	-	-
500-3,300	-	175	-	5	2	\$ 32.38	\$ 11,340	350	0.2
3,301-9,999	-	29	-	5	2	\$ 32.38	\$ 1,878	58	0.0
10,000-49,999	6	-	-	10	2	\$ 32.38	\$ 1,943	60	0.0
50,000-249,999	2	-	-	10	2	\$ 32.38	\$ 648	20	0.0
250,000-999,999	-	-	-	15	2	N/A	\$ -	-	-
1,000,000-4,999,999	-	-	-	20	2	N/A	\$ -	-	-
≥5 M	-	-	-	30	2	N/A	\$ -	-	-
National Totals	8	711	-				\$ 15,809	488	0.2
Disinfecting Ground Water Only NTNCWSs									
<500	-	6,076	1,241	5	-	\$ 32.38	\$ 200,956	6,205	3.0
500-9,999	-	1,125	268	5	2	\$ 32.38	\$ 116,212	3,589	1.7
10,000-99,999	5	-	1	10	2	\$ 32.38	\$ 2,017	62	0.0
100,000-499,999	-	-	0	15	2	\$ 32.38	\$ 58	2	0.0
> 500,000	-	-	-	20	2	N/A	\$ -	-	-
National Totals	5	7,201	1,510				\$ 319,242	9,858	4.7
Grand Totals	22,980	24,870	2,552				\$ 4,944,207	152,674	73.4

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 the August 2011 consultation 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 2010 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
-							
<500	3,081	1.0	3,234	1	3,234	1	3,081
500-3,300	3,755	1.0	3,792	4	15,170	4	15,019
3,301-9,999	2,137	1.1	2,287	4	9,146	8	17,100
10,000-49,999	1,922	1.1	2,076	16	33,208	16	30,752
50,000-249,999	624	1.4	858	16	13,720	32	19,968
250,000-999,999	96	1.7	163	16	2,600	48	4,608
1,000,000-4,999,999	18	3.7	66	16	1,056	64	1,152
≥\$ M	1	3.7	4	16	59	80	80
National Totals	11,635		12,478		78,193		91,760
-							
<500	16,350	1.1	18,567	1	18,567	1	16,350
500-9,999	10,534	1.7	18,192	1	18,192	2	21,068
10,000-99,999	1,343	3.8	5,088	4	20,353	16	21,490
100,000-499,999	57	12.3	692	4	2,770	24	1,356
> 500,000	6	12.3	77	4	308	32	201
National Totals	28,290		42,617		60,189		60,466
-							
<500	507	1.0	507	1	507	1	507
500-3,300	175	1.0	175	4	700	4	700
3,301-9,999	29	1.0	29	4	116	8	232
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	-
≥\$ M	-	1.0	-	16	-	80	-
National Totals	719		719		1,452		1,600
-							
<500	6,076	1.0	6,076	1	6,076	1	6,076
500-9,999	1,125	1.0	1,125	1	1,125	2	2,251
10,000-99,999	5	1.0	5	4	20	16	79
100,000-499,999	-	1.0	-	4	-	24	-
> 500,000	-	1.0	-	4	-	32	-
National Totals	7,206		7,206		7,221		8,405
Grand Totals	47,851		63,020		147,055		162,231

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 August 2011 consultation 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	Additional Samples Required for Stage 2 Monitoring H = G - E	Hours per Sample I	Percent of Systems with Separate TTHM and HAA5 Sites J	Sampling Cost per Labor Hour K	Cost per Sample L	Total Labor Cost M = H*I*K	Additional Labor Costs for Systems with Two Sites N = I*J*K*A	Total O&M Cost O = H*L	Annual Total Cost P = M+N+O	Annual Total Burden (Hours) Q = (M+N)/K	Annual Total Burden (FTEs) R = Q/2080
Subpart H and Mixed CWSs											
<500	(152)	1.5	32%	\$ 32.38	\$ 284	\$ (7,396)	\$ 47,229	\$ (43,306)	\$ (3,472)	1,230	0.6
500-3,300	(151)	1.5	30%	\$ 32.38	\$ 284	\$ (7,327)	\$ 54,011	\$ (42,900)	\$ 3,784	1,442	0.7
3,301-9,999	7,953	1.5	0%	\$ 32.38	\$ 284	\$ 386,336	\$ -	\$ 2,262,063	\$ 2,648,398	11,930	5.7
10,000-49,999	(2,456)	1.5	0%	\$ 32.38	\$ 249	\$ (119,312)	\$ -	\$ (611,268)	\$ (730,581)	(3,684)	(1.8)
50,000-249,999	6,248	1.5	0%	\$ 32.38	\$ 249	\$ 303,487	\$ -	\$ 1,554,846	\$ 1,858,333	9,372	4.5
250,000-999,999	2,008	1.5	0%	\$ 32.38	\$ 249	\$ 97,517	\$ -	\$ 499,608	\$ 597,125	3,011	1.4
1,000,000-4,999,999	96	1.5	0%	\$ 32.38	\$ 249	\$ 4,663	\$ -	\$ 23,891	\$ 28,555	144	0.1
≥5 M	21	1.5	0%	\$ 32.38	\$ 249	\$ 1,036	\$ -	\$ 5,309	\$ 6,345	32	0.0
National Totals	13,566					\$ 659,004	\$ 101,241	\$ 3,648,242	\$ 4,408,487	23,476	11.3
100% Ground Water CWSs (Disinfecting)											
<500	(2,217)	1.5	2%	\$ 32.38	\$ 284	\$ (107,691)	\$ 16,979	\$ (630,549)	\$ (721,261)	(2,801)	(1.3)
500-9,999	2,877	1.5	0%	\$ 32.38	\$ 284	\$ 139,729	\$ -	\$ 818,137	\$ 957,866	4,315	2.1
10,000-99,999	1,137	1.5	0%	\$ 32.38	\$ 249	\$ 55,234	\$ -	\$ 282,978	\$ 338,212	1,706	0.8
100,000-499,999	(1,413)	1.5	0%	\$ 32.38	\$ 249	\$ (68,646)	\$ -	\$ (351,693)	\$ (420,340)	(2,120)	(1.0)
> 500,000	(107)	1.5	0%	\$ 32.38	\$ 249	\$ (5,187)	\$ -	\$ (26,574)	\$ (31,761)	(160)	(0.1)
National Totals	277					\$ 13,438	\$ 16,979	\$ 92,297	\$ 122,715	939	0.5
Subpart H and Mixed NTCWSs											
<500	0	1.5	0%	\$ 32.38	\$ 284	\$ -	\$ -	\$ -	\$ -	0	0.0
500-3,300	0	1.5	0%	\$ 32.38	\$ 284	\$ -	\$ -	\$ -	\$ -	0	0.0
3,301-9,999	116	1.5	0%	\$ 32.38	\$ 284	\$ 5,635	\$ -	\$ 32,993	\$ 38,628	174	0.1
10,000-49,999	0	1.5	0%	\$ 32.38	\$ 249	\$ -	\$ -	\$ -	\$ -	0	0.0
50,000-249,999	32	1.5	0%	\$ 32.38	\$ 249	\$ 1,554	\$ -	\$ 7,964	\$ 9,518	48	0.0
250,000-999,999	0	1.5	0%	N/A	\$ 249	\$ -	\$ -	\$ -	\$ -	0	0.0
1,000,000-4,999,999	0	1.5	0%	N/A	\$ 249	\$ -	\$ -	\$ -	\$ -	0	0.0
≥5 M	0	1.5	0%	N/A	\$ 249	\$ -	\$ -	\$ -	\$ -	0	0.0
National Totals	148					\$ 7,189	\$ -	\$ 40,957	\$ 48,146	222	0.1
100% Ground Water NTCWSs (Disinfecting)											
<500	0	1.5	0%	\$ 32.38	\$ 284	\$ -	\$ -	\$ -	\$ -	0	0.0
500-9,999	1,125	1.5	0%	\$ 32.38	\$ 284	\$ 54,669	\$ -	\$ 320,094	\$ 374,763	1,688	0.8
10,000-99,999	59	1.5	0%	\$ 32.38	\$ 249	\$ 2,868	\$ -	\$ 14,693	\$ 17,561	89	0.0
100,000-499,999	0	1.5	0%	\$ 32.38	\$ 249	\$ -	\$ -	\$ -	\$ -	0	0.0
> 500,000	0	1.5	0%	N/A	\$ 249	\$ -	\$ -	\$ -	\$ -	0	0.0
National Totals	1,184					\$ 57,537	\$ -	\$ 334,787	\$ 392,324	1,777	0.9
Grand Totals	15,176					\$ 737,168	\$ 118,220	\$ 4,116,284	\$ 4,971,672	26,414	12.7

- 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 August 2011 consultation 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) The number of samples required may decrease for some systems in the transition from the Stage 1 to Stage 2 DBPR.
(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 2010 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, updated to \$2010. \$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.

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 CWSSs								
<500	-	1	1.5	\$ 32.38	\$ 284	\$ -	-	-
500-3,300	-	4	1.5	\$ 32.38	\$ 284	\$ -	-	-
3,301-9,999	-	8	1.5	\$ 32.38	\$ 284	\$ -	-	-
10,000-49,999	-	16	1.5	\$ 32.38	\$ 249	\$ -	-	-
50,000-249,999	-	32	1.5	\$ 32.38	\$ 249	\$ -	-	-
250,000-999,999	-	48	1.5	\$ 32.38	\$ 249	\$ -	-	-
1,000,000-4,999,999	-	64	1.5	\$ 32.38	\$ 249	\$ -	-	-
≥5 M	-	80	1.5	\$ 32.38	\$ 249	\$ -	-	-
National Totals	-					\$ -	-	-
Disinfecting Ground Water Only CWSSs								
<500	793	1	1.5	\$ 32.38	\$ 284	\$ 264,042	1,189	0.57
500-9,999	237	2	1.5	\$ 32.38	\$ 284	\$ 157,634	710	0.34
10,000-99,999	11	16	1.5	\$ 32.38	\$ 249	\$ 51,173	258	0.12
100,000-499,999	2	24	1.5	\$ 32.38	\$ 249	\$ 12,124	61	0.03
> 500,000	0	32	1.5	\$ 32.38	\$ 249	\$ 795	4	0.00
National Totals	1,042					\$ 485,768	2,223	1.07
Surface Water and Mixed NTNCWSSs								
<500	-	1	1.5	\$ 32.38	\$ 284	\$ -	-	-
500-3,300	-	4	1.5	\$ 32.38	\$ 284	\$ -	-	-
3,301-9,999	-	8	1.5	\$ 32.38	\$ 284	\$ -	-	-
10,000-49,999	-	16	1.5	\$ 32.38	\$ 249	\$ -	-	-
50,000-249,999	-	32	1.5	\$ 32.38	\$ 249	\$ -	-	-
250,000-999,999	-	48	1.5	N/A	\$ 249	\$ -	-	-
1,000,000-4,999,999	-	64	1.5	N/A	\$ 249	\$ -	-	-
≥5 M	-	80	1.5	N/A	\$ 249	\$ -	-	-
National Totals	-					\$ -	-	-
Disinfecting Ground Water Only NTNCWSSs								
<500	1,241	1	1.5	\$ 32.38	\$ 284	\$ 413,277	1,862	0.90
500-9,999	268	2	1.5	\$ 32.38	\$ 284	\$ 178,182	803	0.39
10,000-99,999	1	16	1.5	\$ 32.38	\$ 249	\$ 6,223	31	0.02
100,000-499,999	0	24	1.5	\$ 32.38	\$ 249	\$ 846	4	0.00
> 500,000	-	32	1.5	N/A	\$ 249	\$ -	-	0.00
National Totals	1,510					\$ 598,527	2,700	1.30
Grand Totals	2,552					\$ 1,084,294	4,923	2.37

Note: Burden estimates take into account the results of the August 2011 consultation 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 2010 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, updated to \$2010. \$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.

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	(152)	\$ 39,833	\$ (43,306)	\$ (3,472)	1,230	0.6
500-3,300	(151)	\$ 46,685	\$ (42,900)	\$ 3,784	1,442	0.7
3,301-9,999	7,953	\$ 386,336	\$ 2,262,063	\$ 2,648,398	11,930	5.7
10,000-49,999	(2,456)	\$ (119,312)	\$ (611,268)	\$ (730,581)	(3,684)	(1.8)
50,000-249,999	6,248	\$ 303,487	\$ 1,554,846	\$ 1,858,333	9,372	4.5
250,000-999,999	2,008	\$ 97,517	\$ 499,608	\$ 597,125	3,011	1.4
1,000,000-4,999,999	96	\$ 4,663	\$ 23,891	\$ 28,555	144	0.1
≥5 M	21	\$ 1,036	\$ 5,309	\$ 6,345	32	0.0
National Totals	13,566	\$ 760,245	\$ 3,648,242	\$ 4,408,487	23,476	11.3
Disinfecting Ground Water Only CWSs						
<500	(1,424)	\$ (52,195)	\$ (405,025)	\$ (457,220)	(1,612)	(0.8)
500-9,999	3,350	\$ 162,724	\$ 952,776	\$ 1,115,499	5,025	2.4
10,000-99,999	1,309	\$ 63,591	\$ 325,794	\$ 389,385	1,964	0.9
100,000-499,999	(1,372)	\$ (66,666)	\$ (341,549)	\$ (408,216)	(2,059)	(1.0)
> 500,000	(104)	\$ (5,057)	\$ (25,909)	\$ (30,966)	(156)	(0.1)
National Totals	1,758	\$ 102,396	\$ 506,086	\$ 608,482	3,162	1.5
Surface Water and Mixed NTNCWSs						
<500	-	\$ -	\$ -	\$ -	-	-
500-3,300	-	\$ -	\$ -	\$ -	-	-
3,301-9,999	116	\$ 5,635	\$ 32,993	\$ 38,628	174	0.1
10,000-49,999	-	\$ -	\$ -	\$ -	-	-
50,000-249,999	32	\$ 1,554	\$ 7,964	\$ 9,518	48	0.0
250,000-999,999	-	\$ -	\$ -	\$ -	-	-
1,000,000-4,999,999	-	\$ -	\$ -	\$ -	-	-
≥5 M	-	\$ -	\$ -	\$ -	-	-
National Totals	148	\$ 7,189	\$ 40,957	\$ 48,146	222	0.1
Disinfecting Ground Water Only NTNCWSs						
<500	1,241	\$ 60,287	\$ 352,990	\$ 413,277	1,862	0.9
500-9,999	1,661	\$ 80,661	\$ 472,284	\$ 552,944	2,491	1.2
10,000-99,999	80	\$ 3,884	\$ 19,900	\$ 23,784	120	0.1
100,000-499,999	3	\$ 138	\$ 708	\$ 846	4	0.0
> 500,000	-	\$ -	\$ -	\$ -	-	-
National Totals	2,984	\$ 144,970	\$ 845,881	\$ 990,851	4,477	2.2
Grand Totals	18,457	\$ 1,014,801	\$ 5,041,166	\$ 6,055,966	31,336	15.1

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) Burden estimates take into account the results of the August 2011 consultation 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	\$ 32.38	\$ 9,327	288	0.1
500-3,300	28	24	\$ 32.38	\$ 21,762	672	0.3
3,301-9,999	57	24	\$ 32.38	\$ 44,301	1,368	0.7
10,000-49,999	199	40	\$ 32.38	\$ 257,777	7,960	3.8
50,000-249,999	120	40	\$ 32.38	\$ 155,443	4,800	2.3
250,000-999,999	27	40	\$ 32.38	\$ 34,975	1,080	0.5
1,000,000-4,999,999	8	40	\$ 32.38	\$ 10,363	320	0.2
≥5 M	1	40	\$ 32.38	\$ 1,295	40	0.0
National Totals	452			\$ 535,243	16,528	7.9
Disinfecting Ground Water Only CWSS						
<500	-	24	\$ 32.38	\$ -	-	-
500-9,999	-	24	\$ 32.38	\$ -	-	-
10,000-99,999	-	40	\$ 32.38	\$ -	-	-
100,000-499,999	-	40	\$ 32.38	\$ -	-	-
> 500,000	-	40	\$ 32.38	\$ -	-	-
National Totals	-			\$ -	-	-
Surface Water and Mixed NTNCWSS						
<500	-	24	\$ 32.38	\$ -	-	-
500-3,300	-	24	\$ 32.38	\$ -	-	-
3,301-9,999	-	24	\$ 32.38	\$ -	-	-
10,000-49,999	-	40	\$ 32.38	\$ -	-	-
50,000-249,999	-	40	\$ 32.38	\$ -	-	-
250,000-999,999	-	40	N/A	\$ -	-	-
1,000,000-4,999,999	-	40	N/A	\$ -	-	-
≥5 M	-	40	N/A	\$ -	-	-
National Totals	-			\$ -	-	-
Disinfecting Ground Water Only NTNCWSS						
<500	-	24	\$ 32.38	\$ -	-	-
500-9,999	-	24	\$ 32.38	\$ -	-	-
10,000-99,999	-	40	\$ 32.38	\$ -	-	-
100,000-499,999	-	40	\$ 32.38	\$ -	-	-
> 500,000	-	40	N/A	\$ -	-	-
National Totals	-			\$ -	-	-
Grand Totals	452	-	-	\$ 535,243	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 August 2011 consultation 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 2010 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	\$ 43.79	0.10	208	\$ 9,109	5.7	11,856	\$ 519,198
Regulation Adoption and Program Development	\$ 43.79	1.00	2,080	\$ 91,087	57.0	118,560	\$ 5,191,980
Training State Staff	\$ 43.79	0.25	520	\$ 22,772	14.3	29,640	\$ 1,297,995
Training PWS Staff and Technical Assistants	\$ 43.79	1.00	2,080	\$ 91,087	57.0	118,560	\$ 5,191,980
Updating Data Management System	\$ 43.79	0.25	520	\$ 22,772	14.3	29,640	\$ 1,297,995
Totals		2.60	5,408	\$ 236,827	148.2	308,256	\$ 13,499,147
Annual Routine Monitoring Activities							
Recordkeeping and Compliance Tracking	\$ 43.79	0.40	832	\$ 36,435	22.8	47,424	\$ 2,076,792
Totals		0.40	832	\$ 36,435	22.8	47,424	\$ 2,076,792
Grand Totals		3.00	6,240	273,262	171.0	355,680	15,575,939

Notes: All states/primacy agencies are assumed to incur some costs for each activity.
 Implementation activities were completed during the previous ICR period.
 Burden estimates take into account the results of the August 2011 consultation with water industry representatives.
 (A) State labor rates based on 2010 Bureau of Labor Statistics SOC Code 19-2041, "State Government - Environmental Scientists and Specialists, Including Health."
 Sources:
 (B) FTEs per State/Primacy Agency based on EPA experience with previous regulations.

**Exhibit 16: State Costs for Monitoring Plans
(Activity Completed in 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	1,644	-	\$ 43.79	\$ -	\$ -	-
500-3,300	3,755	-	\$ 43.79	\$ -	\$ -	-
3,301-9,999	2,137	4	\$ 43.79	\$ 374,411	\$ 6,569	8,550
10,000-49,999	1,922	8	\$ 43.79	\$ 673,346	\$ 11,813	15,376
50,000-249,999	624	8	\$ 43.79	\$ 218,610	\$ 3,835	4,992
250,000-999,999	96	8	\$ 43.79	\$ 33,632	\$ 590	768
1,000,000-4,999,999	18	8	\$ 43.79	\$ 6,306	\$ 111	144
≥5 M	1	8	\$ 43.79	\$ 350	\$ 6	8
National Totals	10,197			\$ 1,306,655	\$ 22,924	29,838
Ground Water Only CWSs						
<500	1,623	-	\$ 43.79	\$ -	\$ -	-
500-9,999	10,771	-	\$ 43.79	\$ -	\$ -	-
10,000-99,999	1,354	-	\$ 43.79	\$ -	\$ -	-
100,000-499,999	58	-	\$ 43.79	\$ -	\$ -	-
> 500,000	6	-	\$ 43.79	\$ -	\$ -	-
National Totals	13,812			\$ -	\$ -	-
Surface Water and Mixed NTNCWSs						
<500	-	-	\$ 43.79	\$ -	\$ -	-
500-3,300	-	-	\$ 43.79	\$ -	\$ -	-
3,301-9,999	-	4	\$ 43.79	\$ -	\$ -	-
10,000-49,999	6	8	\$ 43.79	\$ 2,102	\$ 37	48
50,000-249,999	2	8	\$ 43.79	\$ 701	\$ 12	16
250,000-999,999	-	8	\$ 43.79	\$ -	\$ -	-
1,000,000-4,999,999	-	8	\$ 43.79	\$ -	\$ -	-
≥5 M	-	8	\$ 43.79	\$ -	\$ -	-
National Totals	8			\$ 2,803	\$ 49	64
Disinfecting Ground Water Only NTNCWSs						
<500	1,241	-	\$ 43.79	\$ -	\$ -	-
500-9,999	268	-	\$ 43.79	\$ -	\$ -	-
10,000-99,999	6	-	\$ 43.79	\$ -	\$ -	-
100,000-499,999	0	-	\$ 43.79	\$ -	\$ -	-
> 500,000	-	-	\$ 43.79	\$ -	\$ -	-
National Totals	1,515			\$ -	\$ -	-
Grand Totals	25,532			\$ 1,309,458	\$ 22,973	29,902

Notes: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

Sources:

- [A] From column A in Exhibit 12
- [B] From EPA experience with other regulations.
- [C] State labor rates based on 2010 Bureau of Labor Statistics SOC Code 19-2041, "State Government - Environmental Scientists and Specialists, Including Health."

Exhibit 17: State IDSE Costs
(Activity Completed in 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	1,644	-	-	4	12	0.5	\$ 43.79	\$ 287,997	\$ 5,053	6,576	115.4
500-3,300	3,504	-	251	4	12	0.5	\$ 43.79	\$ 619,235	\$ 10,864	14,140	248.1
3,301-9,999	1,965	-	172	4	12	0.5	\$ 43.79	\$ 348,048	\$ 6,106	7,948	139.4
10,000-49,999	1,653	-	269	8	16	0.5	\$ 43.79	\$ 584,995	\$ 10,263	13,359	234.4
50,000-249,999	511	26	87	8	16	0.5	\$ 43.79	\$ 199,144	\$ 3,494	4,548	79.8
250,000-999,999	74	8	14	10	24	0.5	\$ 43.79	\$ 41,121	\$ 721	939	16.5
1,000,000-4,999,999	15	1	2	12	32	0.5	\$ 43.79	\$ 9,328	\$ 164	213	3.7
≥5 M	1	-	-	12	32	0.5	\$ 43.79	\$ 526	\$ 9	12	0.2
National Totals	9,367	35	795					\$ 2,090,393	\$ 36,674	47,735	837.4
Ground Water Only CWSs											
<500	830	-	-	4	4	0.5	\$ 43.79	\$ 145,339	\$ 2,550	3,319	58.2
500-9,999	1,950	-	8,584	4	4	0.5	\$ 43.79	\$ 529,568	\$ 9,291	12,093	212.2
10,000-99,999	237	-	1,106	8	8	0.5	\$ 43.79	\$ 107,287	\$ 1,882	2,450	43.0
100,000-499,999	18	2	37	8	8	0.5	\$ 43.79	\$ 7,684	\$ 135	175	3.1
> 500,000	1	-	5	12	16	0.5	\$ 43.79	\$ 782	\$ 14	18	0.3
National Totals	3,036	2	9,732					\$ 790,659	\$ 13,871	18,055	316.8
Surface Water and Mixed NTNCWSs											
<500	-	-	-	-	-	-	\$ -	\$ -	\$ -	-	-
500-3,300	-	-	-	-	-	-	\$ -	\$ -	\$ -	-	-
3,301-9,999	-	-	-	-	-	-	\$ -	\$ -	\$ -	-	-
10,000-49,999	5	-	1	8	8	0.5	\$ 43.79	\$ 1,774	\$ 31	41	0.7
50,000-249,999	2	-	-	8	8	0.5	\$ 43.79	\$ 701	\$ 12	16	0.3
250,000-999,999	-	-	-	10	12	0.5	\$ 43.79	\$ -	\$ -	-	-
1,000,000-4,999,999	-	-	-	12	16	0.5	\$ 43.79	\$ -	\$ -	-	-
≥5 M	-	-	-	12	16	0.5	\$ 43.79	\$ -	\$ -	-	-
National Totals	7	-	1					\$ 2,474	\$ 43	57	1.0
Disinfecting Ground Water Only NTNCWSs											
<500	-	-	-	-	-	-	\$ -	\$ -	\$ -	-	-
500-9,999	-	-	-	-	-	-	\$ -	\$ -	\$ -	-	-
10,000-99,999	0	-	5	8	8	0.5	\$ 43.79	\$ 145	\$ 3	3	0.1
100,000-499,999	-	-	-	8	8	0.5	\$ 43.79	\$ -	\$ -	-	-
> 500,000	-	-	-	12	16	0.5	\$ 43.79	\$ -	\$ -	-	-
National Totals	0	-	5					\$ 145	\$ 3	3	0.1
Grand Totals	12,410	37	10,533					\$ 2,883,671	\$ 50,591	65,849	1,155.3

Note: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

Sources:

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

D, E, F From EPA experience with other regulations.

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	\$ 43.79	\$ 2,102	\$ 37	48
500-3,300	28	6	\$ 43.79	\$ 7,357	\$ 129	168
3,301-9,999	57	6	\$ 43.79	\$ 14,977	\$ 263	342
10,000-49,999	199	8	\$ 43.79	\$ 69,717	\$ 1,223	1,592
50,000-249,999	120	8	\$ 43.79	\$ 42,040	\$ 738	960
250,000-999,999	27	8	\$ 43.79	\$ 9,459	\$ 166	216
1,000,000-4,999,999	8	8	\$ 43.79	\$ 2,803	\$ 49	64
≥5 M	1	8	\$ 43.79	\$ 350	\$ 6	8
National Totals	452			\$ 148,805	\$ 2,611	3,398
Ground Water Only CWSs						
<500	-	4	\$ 43.79	\$ -	\$ -	-
500-9,999	-	6	\$ 43.79	\$ -	\$ -	-
10,000-99,999	-	8	\$ 43.79	\$ -	\$ -	-
100,000-499,999	-	8	\$ 43.79	\$ -	\$ -	-
> 500,000	-	8	\$ 43.79	\$ -	\$ -	-
National Totals	-			\$ -	\$ -	-
Surface Water and Mixed NTNCWSs						
<500	-	4	\$ 43.79	\$ -	\$ -	-
500-3,300	-	6	\$ 43.79	\$ -	\$ -	-
3,301-9,999	-	6	\$ 43.79	\$ -	\$ -	-
10,000-49,999	-	8	\$ 43.79	\$ -	\$ -	-
50,000-249,999	-	8	\$ 43.79	\$ -	\$ -	-
250,000-999,999	-	8	\$ 43.79	\$ -	\$ -	-
1,000,000-4,999,999	-	8	\$ 43.79	\$ -	\$ -	-
≥5 M	-	8	\$ 43.79	\$ -	\$ -	-
National Totals	-			\$ -	\$ -	-
Disinfecting Ground Water Only NTNCWSs						
<500	-	4	\$ 43.79	\$ -	\$ -	-
500-9,999	-	6	\$ 43.79	\$ -	\$ -	-
10,000-99,999	-	8	\$ 43.79	\$ -	\$ -	-
100,000-499,999	-	8	\$ 43.79	\$ -	\$ -	-
> 500,000	-	8	\$ 43.79	\$ -	\$ -	-
National Totals	-			\$ -	\$ -	-
Grand Totals	452			\$ 148,805	\$ 2,611	3,398

Note: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

Sources:

[A] From column A in Exhibit 14.

[B] From EPA experience with other regulations.

[C] State labor rates based on 2010 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 August 2011 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	141,345	521,256	365,561	\$11,838,320	\$70,936,061	N/A
Total	141,345	521,256	365,561	\$11,838,320	\$70,936,061	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	565,379	1,354,532	\$59,317,665	N/A	N/A
Total	57	565,379	1,354,532	\$59,317,665	N/A	N/A

State burden 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	118,393	\$ 3,834,043	\$ 4,786,196	\$ 8,620,239	46,516
Phase II					
Arsenic*					
Asbestos	6,756	\$ 218,785	\$ 1,223,402	\$ 1,442,188	2,122
Cadmium	13,861	\$ 448,881	\$ 376,507	\$ 825,389	21,723
Chromium	13,861	\$ 448,881	\$ 376,507	\$ 825,389	21,723
Fluoride	14,790	\$ 478,967	\$ 401,742	\$ 880,709	23,197
Mercury	13,637	\$ 441,623	\$ 823,154	\$ 1,264,776	21,363
Nitrate	86,126	\$ 2,789,090	\$ 2,599,335	\$ 5,388,424	149,402
Nitrite	978	\$ 31,664	\$ 19,673	\$ 51,338	1,131
Selenium	13,327	\$ 431,590	\$ 804,454	\$ 1,236,044	20,876
Subtotal: Phase II IOCs	163,336	\$ 5,289,481	\$ 6,624,775	\$ 11,914,256	261,536
Phase II VOCs	-	\$ -	\$ 8,573,261	\$ 8,573,261	29,746
Phase II SOCs	27,755	\$ 898,819	\$ 30,156,054	\$ 31,054,873	21,398
Phase IIb					
Barium	13,381	\$ 433,324	\$ 363,458	\$ 796,782	20,956
Pentachlorophenol	-	\$ -	\$ -	\$ -	7,554
Phase V					
Adipates, Phthalates	14,049	\$ 454,969	\$ 6,360,232	\$ 6,815,202	21,652
PAH Benzo(a)pyrene	-	\$ -	\$ 2,032,563	\$ 2,032,563	6,570
Dioxin	6,518	\$ 211,078	\$ 8,852,265	\$ 9,063,342	4,973
Diquat, Endothall, Glyphosate	3,408	\$ 110,373	\$ 2,057,281	\$ 2,167,654	5,021
Oxamyl	-	\$ -	\$ -	\$ -	6,253
Dinoseb	-	\$ -	\$ -	\$ -	6,585
Endrin, hexachloro-benzene, and hexachlorocyclopentadiene	-	\$ -	\$ -	\$ -	6,553
Dalapon	-	\$ -	\$ -	\$ -	-
Picloram	-	\$ -	\$ -	\$ -	-
Simazine	-	\$ -	\$ -	\$ -	-
Subtotal: Phase V SOCs	23,975	\$ 776,420	\$ 19,302,341	\$ 20,078,761	57,608
Phase V VOCs	-	\$ -	\$ -	\$ -	46,516
Phase V IOCs, except sulfate	18,720	\$ 606,233	\$ 1,129,976	\$ 1,736,209	29,425
Grand Total	365,561	\$ 11,838,320	\$ 70,936,061	\$ 82,774,381	521,256

*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	11,324	416	8,518	120	19,842	536	58,321	632
101-500	12,763	645	6,418	151	19,181	796	19,276	375
501-1,000	4,044	348	1,644	50	5,688	398	1,936	63
1,001-3,300	5,212	949	750	34	5,962	983	557	50
3,301-10,000	2,585	1,010	99	7	2,684	1,017	63	17
10,001-50,000	1,278	975	10	1	1,288	976	5	0
50,001-100,000	149	224	0	0	149	224	2	0
100,001-1,000,000	66	237	0	0	66	237	0	0
>1,000,000	3	17	0	0	3	17	0	0
Total	37,423	4,822	17,439	363	54,862	5,185	80,160	1,138

Source: SDWIS/FED Data from October 2010

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	\$81	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	\$453	p. 24	
Cadmium	0.5	\$14	pp. 24, a-23, a-8	
Chromium	0.5	\$14	pp. 24, a-33	
Fluoride	0.5	\$14	Assumption	
Mercury	0.5	\$30	pp. 24, a-43	
Nitrate	0.5	\$15	pp. 24, a-53	
Nitrite	0.75	\$15	pp. 24, a-87	
Selenium	0.5	\$30	pp. 24, a-97	
Phase II VOCs	0.0	\$226	pp. 24, b-20	Assumed to impose burden similar to other IOCs. 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	\$1,087	pp. 24, b-4	Includes Alachlor, Atrazine, Carbofuran, Chlordane, Dibromochloropropane, EDB, Acrylamide, Heptachlor, Heptachlorepoxyde, Lindane, Methoxchlor, PCBs, Toxaphene, 2,4-D, 2,4,5-TP(silvex), Epichlorohydrin
Phase IIb				
Barium	0.5	\$14	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	\$226	pp. 20, A-48	Includes Dichloromethane and 1,1,2-Trichloroethane. No incremental burden above Phase II VOCs. Includes Antimony, Beryllium, Cyanide, Nickel, Thallium. No incremental burden above Phase II SOCs 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) Assumed that no systems would be vulnerable after compliance w/ Phase II. But ICR admits that this may be an underestimate because they showed up in the National Pesticide Survey. No incremental burden above Phase II SOCs No incremental burden above Phase II SOCs No incremental burden above Phase II SOCs
PAH Benzo(a)pyrene	0.0	\$226	pp. 20, A-37	
Dioxin	1.0	\$1,358	p. 20, p. A-26	
Phase V VOCs	0.0	\$0	p. 20	
Phase V IOCs, except sulfate	0.5	\$30	p. A-2	
Diquat, Endothall, Glyphosate	0.5	\$302	p. A-20	
Oxamyl	0	\$0	p. 20	
Dinoseb	0	\$0	p. 20	
Endrin, hexachloro-benzene, and hexachlorocyclopentadiene	0	\$0	p. 20	
Dalapon	0	\$0	p. 20	
Picloram	0	\$0	p. 20	
Simazine	0	\$0	p. 20	

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 August 2011 consultation with water industry representatives.
Sampling costs inflated from 1993 to 2010 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	
		≤3300	>3300	≤3300	>3300	≤3300	>3300	≤3300	>3300	≤3300	>3300	≤3300	>3300	≤3300	>3300	≤3300	>3300
Phase I																	
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				System-Specific Waivers								E=A+D							
		A				B				C				D=B*C				E=A+D			
		Percent of Systems Under the Trigger that Receive Statewide Waivers				Percent of Systems Under the Trigger that Are Eligible for System-Specific Waivers				Percent of Eligible Systems Assumed to Receive System-Specific Waivers Where Available**				Total Percent of Eligible Systems Assumed to Receive System-Specific Waivers				Total Percent of Eligible Systems Assumed to Receive Waivers			
GW		SW		GW		SW		GW		SW		GW		SW		GW		SW			
≤3300		>3300		≤3300		>3300		≤3300		>3300		≤3300		>3300		≤3300		>3300			
Phase I		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 I VOCs	MDL																				
Phase II																					
Arsenic***	MCL																				
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	Note	Trigger	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	
			≤3300	>3300	≤3300	>3300	≤3300	>3300	≤3300	>3300	≤3300	>3300	≤3300	>3300	≤3300	>3300	≤3300	>3300	≤3300	>3300	≤3300	>3300
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				Scenario 2				Scenario 3				Scenario 4			
		A				B				C				D			
		Below trigger & no waiver (=E from "occurrence" * (1-E) from "waivers")				Below trigger & waiver (=E from "occurrence" * E from "waivers")				Above MCL (=D from "occurrence")				Above trigger & below MCL (=(1-E) - D from "occurrence")			
		GW		SW		GW		SW		GW		SW		GW		SW	
≤3300		>3300		≤3300		>3300		≤3300		>3300		≤3300		>3300			
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 & NTCWSs																		
Size Category	# of Affected Systems (from "systems") A	Percent of Systems by Scenario (from "% by scenario") B				Number of Systems by Scenario C=A*B				Annual Sampling Frequency by Scenario (from "frequency") D				Annual Sampling Events by Scenario 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	19,842	41.8%	38.3%	6.1%	13.8%	8,298	7,595	1,210	2,738	0.33	0.22	4.00	1.67	2,738	1,671	4,841
101-500	19,181	41.8%	38.3%	6.1%	13.8%	8,021	7,342	1,170	2,647	0.33	0.22	4.00	1.67	2,647	1,615	4,680	4,420	13,363
501-1,000	5,688	41.8%	38.3%	6.1%	13.8%	2,379	2,178	347	785	0.33	0.22	4.00	1.67	785	479	1,388	1,311	3,963
1,001-3,300	5,962	41.8%	38.3%	6.1%	13.8%	2,493	2,282	364	823	0.33	0.22	4.00	1.67	823	502	1,455	1,374	4,153
3,301-10,000	2,684	41.8%	38.3%	6.1%	13.8%	1,122	1,027	164	370	0.33	0.22	4.00	1.67	370	226	655	618	1,870
10,001-50,000	1,288	41.8%	38.3%	6.1%	13.8%	539	493	79	178	0.33	0.22	4.00	1.67	178	108	314	297	897
50,001-100,000	149	41.8%	38.3%	6.1%	13.8%	62	57	9	21	0.33	0.22	4.00	1.67	21	13	36	34	104
100,001-1,000,000	66	41.8%	38.3%	6.1%	13.8%	28	25	4	9	0.33	0.22	4.00	1.67	9	6	16	15	46
>1,000,000	3	41.8%	38.3%	6.1%	13.8%	1	1	0	0	0.33	0.22	4.00	1.67	0	0	1	1	2
Total	54,862					22,943	21,001	3,347	7,571					7,571	4,620	13,386	12,643	38,221

Phase I VOCs Surface Water Systems, CWSs & NTCWSs																		
Size Category	# of Affected Systems (from "systems") A	Percent of Systems by Scenario (from "% by scenario") B				Number of Systems by Scenario C=A*B				Annual Sampling Frequency by Scenario (from "frequency") D				Annual Sampling Events by Scenario 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	536	46.4%	12.5%	8.2%	32.9%	249	67	44	176	1.00	0.33	4.00	2.33	249	22	176
101-500	796	46.4%	12.5%	8.2%	32.9%	369	100	65	262	1.00	0.33	4.00	2.33	369	33	261	610	1,274
501-1,000	398	46.4%	12.5%	8.2%	32.9%	185	50	33	131	1.00	0.33	4.00	2.33	185	16	131	305	637
1,001-3,300	983	46.4%	12.5%	8.2%	32.9%	456	123	81	323	1.00	0.33	4.00	2.33	456	41	322	754	1,573
3,301-10,000	1,017	46.4%	12.5%	8.2%	32.9%	472	127	83	335	1.00	0.33	4.00	2.33	472	42	334	780	1,627
10,001-50,000	976	46.4%	12.5%	8.2%	32.9%	453	122	80	321	1.00	0.33	4.00	2.33	453	40	320	748	1,561
50,001-100,000	224	46.4%	12.5%	8.2%	32.9%	104	28	18	74	1.00	0.33	4.00	2.33	104	9	73	172	358
100,001-1,000,000	237	46.4%	12.5%	8.2%	32.9%	110	30	19	78	1.00	0.33	4.00	2.33	110	10	78	182	379
>1,000,000	17	46.4%	12.5%	8.2%	32.9%	8	2	1	6	1.00	0.33	4.00	2.33	8	1	6	13	27
Total	5,185					2,405	649	425	1,706					2,405	214	1,701	3,975	8,295

Phase I VOCs:																		
GRAND TOTAL	60,047					25,349	21,650	3,772	9,277					9,977	4,834	15,087	16,618	46,516

Exhibit 11 - Phase I VOCs, Part 2

Phase I VOCs (continued)							
Ground Water Systems, CWSs & NTCWSs							
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	13,823	1.05	14,452	2.0	28,905	\$81	\$1,168,512
101-500	13,363	1.11	14,834	2.0	29,668	\$81	\$1,199,384
501-1,000	3,963	1.29	5,116	2.0	10,233	\$81	\$413,670
1,001-3,300	4,153	1.43	5,930	2.0	11,860	\$81	\$479,447
3,301-10,000	1,870	1.60	2,985	2.0	5,970	\$81	\$241,344
10,001-50,000	897	3.53	3,172	2.0	6,343	\$81	\$256,425
50,001-100,000	104	9.42	977	2.0	1,955	\$81	\$79,030
100,001-1,000,000	46	12.56	577	2.0	1,155	\$81	\$46,690
>1,000,000	2	12.56	26	2.0	52	\$81	\$2,122
Total	38,221		48,071		96,141		\$3,886,626

Phase I VOCs (continued)							
Surface Water Systems, CWSs & NTCWSs							
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	858	1.04	890	2.0	1,780	\$81	\$71,975
101-500	1,274	1.06	1,352	2.0	2,703	\$81	\$109,272
501-1,000	637	1.16	739	2.0	1,478	\$81	\$59,747
1,001-3,300	1,573	1.14	1,794	2.0	3,587	\$81	\$145,019
3,301-10,000	1,627	1.13	1,839	2.0	3,679	\$81	\$148,719
10,001-50,000	1,561	1.58	2,462	2.0	4,924	\$81	\$199,041
50,001-100,000	358	1.98	710	2.0	1,420	\$81	\$57,419
100,001-1,000,000	379	3.30	1,251	2.0	2,501	\$81	\$101,125
>1,000,000	27	3.30	90	2.0	179	\$81	\$7,254
Total	8,295		11,126		22,252		\$899,570

Phase I VOCs			
GRAND TOTAL	46,516	59,197	\$4,786,196

Note: Burden estimates take into account the results of the August 2011 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				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	19,842	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
101-500	19,181	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
501-1,000	5,688	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,001-3,300	5,962	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3,301-10,000	2,684	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10,001-50,000	1,288	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50,001-100,000	149	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100,001-1,000,000	66	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
>1,000,000	3	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	54,862																	

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				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	536	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
101-500	796	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
501-1,000	398	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,001-3,300	983	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3,301-10,000	1,017	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10,001-50,000	976	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50,001-100,000	224	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100,001-1,000,000	237	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
>1,000,000	17	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	5,185																	

Arsenic:																		
GRAND TOTAL																		
	60,047																	

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 August 2011 consultation with water industry representatives.

Exhibit 14 - Asbestos, Part 1

Asbestos Ground Water Systems, CWSs & NTCWSs																					
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	19,842	14.0%	85.6%	0.4%	-	2,779	16,984	79	-	0.11	-	4.00	-	306	-	317	-	623			
101-500	19,181	14.0%	85.6%	0.4%	-	2,686	16,418	77	-	0.11	-	4.00	-	295	-	307	-	602			
501-1,000	5,688	14.0%	85.6%	0.4%	-	797	4,869	23	-	0.11	-	4.00	-	88	-	91	-	179			
1,001-3,300	5,962	14.0%	85.6%	0.4%	-	835	5,103	24	-	0.11	-	4.00	-	92	-	95	-	187			
3,301-10,000	2,684	14.0%	85.6%	0.4%	-	376	2,297	11	-	0.11	-	4.00	-	41	-	43	-	84			
10,001-50,000	1,288	14.0%	85.6%	0.4%	-	180	1,102	5	-	0.11	-	4.00	-	20	-	21	-	40			
50,001-100,000	149	14.0%	85.6%	0.4%	-	21	128	1	-	0.11	-	4.00	-	2	-	2	-	5			
100,001-1,000,000	66	14.0%	85.6%	0.4%	-	9	56	0	-	0.11	-	4.00	-	1	-	1	-	2			
>1,000,000	3	14.0%	85.6%	0.4%	-	0	3	0	-	0.11	-	4.00	-	0	-	0	-	0			
Total	54,862					7,683	46,960	219	-					845	-	878	-	1,723			

Asbestos Surface Water Systems, CWSs & NTCWSs																					
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	536	44.5%	54.8%	0.7%	-	239	294	4	-	0.11	-	4.00	-	26	-	15	-	41			
101-500	796	44.5%	54.8%	0.7%	-	355	436	6	-	0.11	-	4.00	-	39	-	22	-	61			
501-1,000	398	44.5%	54.8%	0.7%	-	177	218	3	-	0.11	-	4.00	-	20	-	11	-	31			
1,001-3,300	983	44.5%	54.8%	0.7%	-	438	538	7	-	0.11	-	4.00	-	48	-	28	-	76			
3,301-10,000	1,017	44.5%	54.8%	0.7%	-	453	557	7	-	0.11	-	4.00	-	50	-	28	-	78			
10,001-50,000	976	44.5%	54.8%	0.7%	-	435	534	7	-	0.11	-	4.00	-	48	-	27	-	75			
50,001-100,000	224	44.5%	54.8%	0.7%	-	100	123	2	-	0.11	-	4.00	-	11	-	6	-	17			
100,001-1,000,000	237	44.5%	54.8%	0.7%	-	106	130	2	-	0.11	-	4.00	-	12	-	7	-	18			
>1,000,000	17	44.5%	54.8%	0.7%	-	8	9	0	-	0.11	-	4.00	-	1	-	0	-	1			
Total	5,185					2,310	2,839	36	-					254	-	145	-	399			

Asbestos:																		
GRAND TOTAL	60,047					9,993	49,799	256	-					1,099	-	1,023	-	2,122

Exhibit 15 - Asbestos, Part 2

Asbestos (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	
	E	F	G=E*F	Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, \$ (from "burden by chem")	Total Cost, \$
				H	I=G*H	J	K=G*J
0-100	623	1.05	651	2.5	1,629	\$453	\$294,926
101-500	602	1.11	669	2.5	1,672	\$453	\$302,718
501-1,000	179	1.29	231	2.5	577	\$453	\$104,408
1,001-3,300	187	1.43	267	2.5	668	\$453	\$121,010
3,301-10,000	84	1.60	135	2.5	336	\$453	\$60,914
10,001-50,000	40	3.53	143	2.5	357	\$453	\$64,720
50,001-100,000	5	9.42	44	2.5	110	\$453	\$19,947
100,001-1,000,000	2	12.56	26	2.5	65	\$453	\$11,784
>1,000,000	0	12.56	1	2.5	3	\$453	\$536
Total	1,723		2,167		5,417		\$980,962

Asbestos (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	
	E	F	G=E*F	Burden per Sample, hrs. (from "burden by chem")	Total Burden, hrs.	Cost per Sample, \$ (from "burden by chem")	Total Cost, \$
				H	I=G*H	J	K=G*J
0-100	41	1.04	43	2.5	107	\$453	\$19,398
101-500	61	1.06	65	2.5	163	\$453	\$29,450
501-1,000	31	1.16	36	2.5	89	\$453	\$16,102
1,001-3,300	76	1.14	86	2.5	216	\$453	\$39,083
3,301-10,000	78	1.13	89	2.5	221	\$453	\$40,081
10,001-50,000	75	1.58	118	2.5	296	\$453	\$53,643
50,001-100,000	17	1.98	34	2.5	85	\$453	\$15,475
100,001-1,000,000	18	3.30	60	2.5	151	\$453	\$27,254
>1,000,000	1	3.30	4	2.5	11	\$453	\$1,955
Total	399		536		1,339		\$242,440

Asbestos							
GRAND TOTAL	2,122		2,702		6,756		\$1,223,402

Note: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

Exhibit 16 - Cadmium, Part 1

Cadmium Ground Water Systems, CWSs & NTCWSs																		
Size Category	# of Affected Systems (from C of "systems") A	Percent of Systems by Scenario (from "% by scenario") B				Number of Systems by Scenario C=A*B				Annual Sampling Frequency by Scenario (from "frequency") D				Annual Sampling Events by Scenario 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	19,842	79.5%	19.9%	0.6%	-	15,782	3,941	119	-	0.33	0.11	4.00	-	5,208	433	476
101-500	19,181	79.5%	19.9%	0.6%	-	15,256	3,809	115	-	0.33	0.11	4.00	-	5,035	419	460	-	5,914
501-1,000	5,688	79.5%	19.9%	0.6%	-	4,525	1,130	34	-	0.33	0.11	4.00	-	1,493	124	137	-	1,754
1,001-3,300	5,962	79.5%	19.9%	0.6%	-	4,742	1,184	36	-	0.33	0.11	4.00	-	1,565	130	143	-	1,838
3,301-10,000	2,684	79.5%	19.9%	0.6%	-	2,134	533	16	-	0.33	0.11	4.00	-	704	59	64	-	827
10,001-50,000	1,288	79.5%	19.9%	0.6%	-	1,024	256	8	-	0.33	0.11	4.00	-	338	28	31	-	397
50,001-100,000	149	79.5%	19.9%	0.6%	-	119	30	1	-	0.33	0.11	4.00	-	39	3	4	-	46
100,001-1,000,000	66	79.5%	19.9%	0.6%	-	52	13	0	-	0.33	0.11	4.00	-	17	1	2	-	20
>1,000,000	3	79.5%	19.9%	0.6%	-	2	1	0	-	0.33	0.11	4.00	-	1	0	0	-	1
Total	54,862					43,637	10,896	329	-				-	14,400	1,199	1,317	-	16,915

Cadmium Surface Water Systems, CWSs & NTCWSs																		
Size Category	# of Affected Systems (from C of "systems") A	Percent of Systems by Scenario (from "% by scenario") B				Number of Systems by Scenario C=A*B				Annual Sampling Frequency by Scenario (from "frequency") D				Annual Sampling Events by Scenario 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	536	90.9%	8.9%	0.2%	-	488	48	1	-	1.00	0.11	4.00	-	488	5	4
101-500	796	90.9%	8.9%	0.2%	-	724	71	2	-	1.00	0.11	4.00	-	724	8	6	-	738
501-1,000	398	90.9%	8.9%	0.2%	-	362	35	1	-	1.00	0.11	4.00	-	362	4	3	-	369
1,001-3,300	983	90.9%	8.9%	0.2%	-	894	87	2	-	1.00	0.11	4.00	-	894	10	8	-	912
3,301-10,000	1,017	90.9%	8.9%	0.2%	-	925	90	2	-	1.00	0.11	4.00	-	925	10	8	-	943
10,001-50,000	976	90.9%	8.9%	0.2%	-	888	86	2	-	1.00	0.11	4.00	-	888	10	8	-	905
50,001-100,000	224	90.9%	8.9%	0.2%	-	204	20	0	-	1.00	0.11	4.00	-	204	2	2	-	208
100,001-1,000,000	237	90.9%	8.9%	0.2%	-	216	21	0	-	1.00	0.11	4.00	-	216	2	2	-	220
>1,000,000	17	90.9%	8.9%	0.2%	-	15	2	0	-	1.00	0.11	4.00	-	15	0	0	-	16
Total	5,185					4,715	460	10	-				-	4,715	51	41	-	4,807

Cadmium:																		
GRAND TOTAL	60,047					48,352	11,355	340	-				19,116	1,249	1,358	-	21,723	

Exhibit 17 - Cadmium, Part 2

Cadmium (continued)							
Ground Water Systems, CWSs & NTCWSs							
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	
	E	F	G=E*F	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	6,118	1.05	6,396	0.5	3,198	\$14	\$86,868
101-500	5,914	1.11	6,565	0.5	3,283	\$14	\$89,163
501-1,000	1,754	1.29	2,264	0.5	1,132	\$14	\$30,753
1,001-3,300	1,838	1.43	2,624	0.5	1,312	\$14	\$35,642
3,301-10,000	827	1.60	1,321	0.5	661	\$14	\$17,942
10,001-50,000	397	3.53	1,404	0.5	702	\$14	\$19,063
50,001-100,000	46	9.42	433	0.5	216	\$14	\$5,875
100,001-1,000,000	20	12.56	256	0.5	128	\$14	\$3,471
>1,000,000	1	12.56	12	0.5	6	\$14	\$158
Total	16,915		21,274		10,637		\$288,934

Cadmium (continued)							
Surface Water Systems, CWSs & NTCWSs							
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	
	E	F	G=E*F	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	497	1.04	516	0.5	258	\$14	\$7,007
101-500	738	1.06	783	0.5	392	\$14	\$10,638
501-1,000	369	1.16	428	0.5	214	\$14	\$5,816
1,001-3,300	912	1.14	1,039	0.5	520	\$14	\$14,118
3,301-10,000	943	1.13	1,066	0.5	533	\$14	\$14,478
10,001-50,000	905	1.58	1,427	0.5	713	\$14	\$19,377
50,001-100,000	208	1.98	412	0.5	206	\$14	\$5,590
100,001-1,000,000	220	3.30	725	0.5	362	\$14	\$9,844
>1,000,000	16	3.30	52	0.5	26	\$14	\$706
Total	4,807		6,448		3,224		\$87,573

Cadmium							
GRAND TOTAL	21,723		27,722		13,861		\$376,507

Note: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

Exhibit 18 - Chromium, Part 1

Chromium Ground Water Systems, CWSs & NTCWSs																					
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	19,842	79.5%	19.9%	0.6%	-	15,782	3,941	119	-	0.33	0.11	4.00	-	5,208	433	476	-	6,118			
101-500	19,181	79.5%	19.9%	0.6%	-	15,256	3,809	115	-	0.33	0.11	4.00	-	5,035	419	460	-	5,914			
501-1,000	5,688	79.5%	19.9%	0.6%	-	4,525	1,130	34	-	0.33	0.11	4.00	-	1,493	124	137	-	1,754			
1,001-3,300	5,962	79.5%	19.9%	0.6%	-	4,742	1,184	36	-	0.33	0.11	4.00	-	1,565	130	143	-	1,838			
3,301-10,000	2,684	79.5%	19.9%	0.6%	-	2,134	533	16	-	0.33	0.11	4.00	-	704	59	64	-	827			
10,001-50,000	1,288	79.5%	19.9%	0.6%	-	1,024	256	8	-	0.33	0.11	4.00	-	338	28	31	-	397			
50,001-100,000	149	79.5%	19.9%	0.6%	-	119	30	1	-	0.33	0.11	4.00	-	39	3	4	-	46			
100,001-1,000,000	66	79.5%	19.9%	0.6%	-	52	13	0	-	0.33	0.11	4.00	-	17	1	2	-	20			
>1,000,000	3	79.5%	19.9%	0.6%	-	2	1	0	-	0.33	0.11	4.00	-	1	0	0	-	1			
Total	54,862					43,637	10,896	329	-				-	14,400	1,199	1,317	-	16,915			

Chromium Surface Water Systems, CWSs & NTCWSs																					
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	536	90.9%	8.9%	0.2%	-	488	48	1	-	1.00	0.11	4.00	-	488	5	4	-	497			
101-500	796	90.9%	8.9%	0.2%	-	724	71	2	-	1.00	0.11	4.00	-	724	8	6	-	738			
501-1,000	398	90.9%	8.9%	0.2%	-	362	35	1	-	1.00	0.11	4.00	-	362	4	3	-	369			
1,001-3,300	983	90.9%	8.9%	0.2%	-	894	87	2	-	1.00	0.11	4.00	-	894	10	8	-	912			
3,301-10,000	1,017	90.9%	8.9%	0.2%	-	925	90	2	-	1.00	0.11	4.00	-	925	10	8	-	943			
10,001-50,000	976	90.9%	8.9%	0.2%	-	888	86	2	-	1.00	0.11	4.00	-	888	10	8	-	905			
50,001-100,000	224	90.9%	8.9%	0.2%	-	204	20	0	-	1.00	0.11	4.00	-	204	2	2	-	208			
100,001-1,000,000	237	90.9%	8.9%	0.2%	-	216	21	0	-	1.00	0.11	4.00	-	216	2	2	-	220			
>1,000,000	17	90.9%	8.9%	0.2%	-	15	2	0	-	1.00	0.11	4.00	-	15	0	0	-	16			
Total	5,185					4,715	460	10	-				-	4,715	51	41	-	4,807			

Chromium:																		
GRAND TOTAL	60,047					48,352	11,355	340	-				19,116	1,249	1,358	-	21,723	

Exhibit 19 - Chromium, Part 2

Chromium (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	6,118	1.05	6,396	0.5	3,198	\$14	\$86,868
101-500	5,914	1.11	6,565	0.5	3,283	\$14	\$89,163
501-1,000	1,754	1.29	2,264	0.5	1,132	\$14	\$30,753
1,001-3,300	1,838	1.43	2,624	0.5	1,312	\$14	\$35,642
3,301-10,000	827	1.60	1,321	0.5	661	\$14	\$17,942
10,001-50,000	397	3.53	1,404	0.5	702	\$14	\$19,063
50,001-100,000	46	9.42	433	0.5	216	\$14	\$5,875
100,001-1,000,000	20	12.56	256	0.5	128	\$14	\$3,471
>1,000,000	1	12.56	12	0.5	6	\$14	\$158
Total	16,915		21,274		10,637		\$288,934

Chromium (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	497	1.04	516	0.5	258	\$14	\$7,007
101-500	738	1.06	783	0.5	392	\$14	\$10,638
501-1,000	369	1.16	428	0.5	214	\$14	\$5,816
1,001-3,300	912	1.14	1,039	0.5	520	\$14	\$14,118
3,301-10,000	943	1.13	1,066	0.5	533	\$14	\$14,478
10,001-50,000	905	1.58	1,427	0.5	713	\$14	\$19,377
50,001-100,000	208	1.98	412	0.5	206	\$14	\$5,590
100,001-1,000,000	220	3.30	725	0.5	362	\$14	\$9,844
>1,000,000	16	3.30	52	0.5	26	\$14	\$706
Total	4,807		6,448		3,224		\$87,573

Chromium							
GRAND TOTAL	21,723		27,722		13,861		\$376,507

Note: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

Exhibit 20 - Fluoride, Part 1

Fluoride 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				
		D				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	19,842	79.0%	19.7%	1.3%	-	15,671	3,913	258	-	0.33	0.11	4.00	-	5,171	430	1,032	-	6,634
101-500	19,181	79.0%	19.7%	1.3%	-	15,149	3,782	249	-	0.33	0.11	4.00	-	4,999	416	997	-	6,413
501-1,000	5,688	79.0%	19.7%	1.3%	-	4,493	1,122	74	-	0.33	0.11	4.00	-	1,483	123	296	-	1,902
1,001-3,300	5,962	79.0%	19.7%	1.3%	-	4,708	1,176	77	-	0.33	0.11	4.00	-	1,554	129	310	-	1,993
3,301-10,000	2,684	79.0%	19.7%	1.3%	-	2,119	529	35	-	0.33	0.11	4.00	-	699	58	140	-	897
10,001-50,000	1,288	79.0%	19.7%	1.3%	-	1,017	254	17	-	0.33	0.11	4.00	-	336	28	67	-	431
50,001-100,000	149	79.0%	19.7%	1.3%	-	118	29	2	-	0.33	0.11	4.00	-	39	3	8	-	50
100,001-1,000,000	66	79.0%	19.7%	1.3%	-	52	13	1	-	0.33	0.11	4.00	-	17	1	3	-	22
>1,000,000	3	79.0%	19.7%	1.3%	-	2	1	0	-	0.33	0.11	4.00	-	1	0	0	-	1
Total	54,862					43,330	10,819	713	-				-	14,299	1,190	2,853	-	18,342

Fluoride 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				
		D				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	536	90.7%	8.8%	0.5%	-	486	47	3	-	1.00	0.11	4.00	-	486	5	11	-	502
101-500	796	90.7%	8.8%	0.5%	-	722	70	4	-	1.00	0.11	4.00	-	722	8	16	-	746
501-1,000	398	90.7%	8.8%	0.5%	-	361	35	2	-	1.00	0.11	4.00	-	361	4	8	-	373
1,001-3,300	983	90.7%	8.8%	0.5%	-	891	87	5	-	1.00	0.11	4.00	-	891	10	20	-	921
3,301-10,000	1,017	90.7%	8.8%	0.5%	-	922	90	5	-	1.00	0.11	4.00	-	922	10	20	-	952
10,001-50,000	976	90.7%	8.8%	0.5%	-	885	86	5	-	1.00	0.11	4.00	-	885	9	20	-	914
50,001-100,000	224	90.7%	8.8%	0.5%	-	203	20	1	-	1.00	0.11	4.00	-	203	2	4	-	210
100,001-1,000,000	237	90.7%	8.8%	0.5%	-	215	21	1	-	1.00	0.11	4.00	-	215	2	5	-	222
>1,000,000	17	90.7%	8.8%	0.5%	-	15	2	0	-	1.00	0.11	4.00	-	15	0	0	-	16
Total	5,185					4,701	458	26	-				-	4,701	50	104	-	4,855

Fluoride:																		
GRAND TOTAL	60,047					48,031	11,277	739	-				-	19,000	1,240	2,957	-	23,197

Exhibit 21 - Fluoride, Part 2

Fluoride (continued)							
Ground Water Systems, CWSs & NTCWSs							
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	6,634	1.05	6,935	0.5	3,468	\$14	\$94,193
101-500	6,413	1.11	7,119	0.5	3,559	\$14	\$96,681
501-1,000	1,902	1.29	2,455	0.5	1,228	\$14	\$33,346
1,001-3,300	1,993	1.43	2,846	0.5	1,423	\$14	\$38,648
3,301-10,000	897	1.60	1,432	0.5	716	\$14	\$19,455
10,001-50,000	431	3.53	1,522	0.5	761	\$14	\$20,670
50,001-100,000	50	9.42	469	0.5	235	\$14	\$6,371
100,001-1,000,000	22	12.56	277	0.5	139	\$14	\$3,764
>1,000,000	1	12.56	13	0.5	6	\$14	\$171
Total	18,342		23,068		11,534		\$313,297

Fluoride (continued)							
Surface Water Systems, CWSs & NTCWSs							
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	502	1.04	521	0.5	261	\$14	\$7,077
101-500	746	1.06	791	0.5	396	\$14	\$10,744
501-1,000	373	1.16	433	0.5	216	\$14	\$5,874
1,001-3,300	921	1.14	1,050	0.5	525	\$14	\$14,258
3,301-10,000	952	1.13	1,077	0.5	538	\$14	\$14,622
10,001-50,000	914	1.58	1,441	0.5	720	\$14	\$19,570
50,001-100,000	210	1.98	416	0.5	208	\$14	\$5,645
100,001-1,000,000	222	3.30	732	0.5	366	\$14	\$9,943
>1,000,000	16	3.30	53	0.5	26	\$14	\$713
Total	4,855		6,512		3,256		\$88,446

Fluoride							
GRAND TOTAL	23,197		29,580		14,790		\$401,742

Note: Burden estimates take into account the results of the August 2011 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	19,842	79.7%	19.9%	0.4%	-	15,814	3,949	79	-	0.33	0.11	4.00	-	5,219	434	317	-	5,970
101-500	19,181	79.7%	19.9%	0.4%	-	15,287	3,817	77	-	0.33	0.11	4.00	-	5,045	420	307	-	5,771
501-1,000	5,688	79.7%	19.9%	0.4%	-	4,534	1,132	23	-	0.33	0.11	4.00	-	1,496	125	91	-	1,712
1,001-3,300	5,962	79.7%	19.9%	0.4%	-	4,751	1,186	24	-	0.33	0.11	4.00	-	1,568	130	95	-	1,794
3,301-10,000	2,684	79.7%	19.9%	0.4%	-	2,139	534	11	-	0.33	0.11	4.00	-	706	59	43	-	807
10,001-50,000	1,288	79.7%	19.9%	0.4%	-	1,027	256	5	-	0.33	0.11	4.00	-	339	28	21	-	388
50,001-100,000	149	79.7%	19.9%	0.4%	-	119	30	1	-	0.33	0.11	4.00	-	39	3	2	-	45
100,001-1,000,000	66	79.7%	19.9%	0.4%	-	53	13	0	-	0.33	0.11	4.00	-	17	1	1	-	20
>1,000,000	3	79.7%	19.9%	0.4%	-	2	1	0	-	0.33	0.11	4.00	-	1	0	0	-	1
Total	54,862					43,725	10,918	219	-					14,429	1,201	878	-	16,508

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	536	90.7%	8.8%	0.5%	-	486	47	3	-	1.00	0.11	4.00	-	486	5	11	-	502
101-500	796	90.7%	8.8%	0.5%	-	722	70	4	-	1.00	0.11	4.00	-	722	8	16	-	746
501-1,000	398	90.7%	8.8%	0.5%	-	361	35	2	-	1.00	0.11	4.00	-	361	4	8	-	373
1,001-3,300	983	90.7%	8.8%	0.5%	-	891	87	5	-	1.00	0.11	4.00	-	891	10	20	-	921
3,301-10,000	1,017	90.7%	8.8%	0.5%	-	922	90	5	-	1.00	0.11	4.00	-	922	10	20	-	952
10,001-50,000	976	90.7%	8.8%	0.5%	-	885	86	5	-	1.00	0.11	4.00	-	885	9	20	-	914
50,001-100,000	224	90.7%	8.8%	0.5%	-	203	20	1	-	1.00	0.11	4.00	-	203	2	4	-	210
100,001-1,000,000	237	90.7%	8.8%	0.5%	-	215	21	1	-	1.00	0.11	4.00	-	215	2	5	-	222
>1,000,000	17	90.7%	8.8%	0.5%	-	15	2	0	-	1.00	0.11	4.00	-	15	0	0	-	16
Total	5,185					4,701	458	26	-					4,701	50	104	-	4,855

Mercury:																		
GRAND TOTAL	60,047					48,426	11,376	245	-					19,130	1,251	981	-	21,363

Exhibit 23 - Mercury, Part 2

Mercury (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	5,970	1.05	6,242	0.5	3,121	\$30	\$188,389
101-500	5,771	1.11	6,407	0.5	3,203	\$30	\$193,367
501-1,000	1,712	1.29	2,210	0.5	1,105	\$30	\$66,693
1,001-3,300	1,794	1.43	2,561	0.5	1,281	\$30	\$77,297
3,301-10,000	807	1.60	1,289	0.5	645	\$30	\$38,910
10,001-50,000	388	3.53	1,370	0.5	685	\$30	\$41,341
50,001-100,000	45	9.42	422	0.5	211	\$30	\$12,741
100,001-1,000,000	20	12.56	249	0.5	125	\$30	\$7,527
>1,000,000	1	12.56	11	0.5	6	\$30	\$342
Total	16,508		20,762		10,381		\$626,608

Mercury (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	502	1.04	521	0.5	261	\$30	\$15,726
101-500	746	1.06	791	0.5	396	\$30	\$23,875
501-1,000	373	1.16	433	0.5	216	\$30	\$13,054
1,001-3,300	921	1.14	1,050	0.5	525	\$30	\$31,685
3,301-10,000	952	1.13	1,077	0.5	538	\$30	\$32,493
10,001-50,000	914	1.58	1,441	0.5	720	\$30	\$43,488
50,001-100,000	210	1.98	416	0.5	208	\$30	\$12,545
100,001-1,000,000	222	3.30	732	0.5	366	\$30	\$22,095
>1,000,000	16	3.30	53	0.5	26	\$30	\$1,585
Total	4,855		6,512		3,256		\$196,546

Mercury							
GRAND TOTAL	21,363		27,274		13,637		\$823,154

Note: Burden estimates take into account the results of the August 2011 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				
		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	78,163	98.1%	-	0.0%	1.9%	76,678	-	-	1,485	1.00	-	4.00	4.00	76,678	-	-	5,940	82,618
101-500	38,457	98.1%	-	0.0%	1.9%	37,726	-	-	731	1.00	-	4.00	4.00	37,726	-	-	2,923	40,649
501-1,000	7,624	98.1%	-	0.0%	1.9%	7,480	-	-	145	1.00	-	4.00	4.00	7,480	-	-	579	8,059
1,001-3,300	6,518	98.1%	-	0.0%	1.9%	6,395	-	-	124	1.00	-	4.00	4.00	6,395	-	-	495	6,890
3,301-10,000	2,747	98.1%	-	0.0%	1.9%	2,694	-	-	52	1.00	-	4.00	4.00	2,694	-	-	209	2,903
10,001-50,000	1,293	98.1%	-	0.0%	1.9%	1,268	-	-	25	1.00	-	4.00	4.00	1,268	-	-	98	1,367
50,001-100,000	151	98.1%	-	0.0%	1.9%	148	-	-	3	1.00	-	4.00	4.00	148	-	-	11	160
100,001-1,000,000	66	98.1%	-	0.0%	1.9%	65	-	-	1	1.00	-	4.00	4.00	65	-	-	5	70
>1,000,000	3	98.1%	-	0.0%	1.9%	3	-	-	0	1.00	-	4.00	4.00	3	-	-	0	3
Total	135,022					132,457	-	-	2,565					132,457	-	-	10,262	142,718

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				
		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	1,171	98.1%	-	0.0%	1.9%	1,149	-	-	22	1.00	-	4.00	4.00	1,149	-	-	89	1,238
501-1,000	461	98.1%	-	0.0%	1.9%	452	-	-	9	1.00	-	4.00	4.00	452	-	-	35	487
1,001-3,300	1,033	98.1%	-	0.0%	1.9%	1,014	-	-	20	1.00	-	4.00	4.00	1,014	-	-	79	1,092
3,301-10,000	1,034	98.1%	-	0.0%	1.9%	1,015	-	-	20	1.00	-	4.00	4.00	1,015	-	-	79	1,093
10,001-50,000	976	98.1%	-	0.0%	1.9%	957	-	-	19	1.00	-	4.00	4.00	957	-	-	74	1,032
50,001-100,000	224	98.1%	-	0.0%	1.9%	220	-	-	4	1.00	-	4.00	4.00	220	-	-	17	237
100,001-1,000,000	237	98.1%	-	0.0%	1.9%	232	-	-	5	1.00	-	4.00	4.00	232	-	-	18	251
>1,000,000	17	98.1%	-	0.0%	1.9%	17	-	-	0	1.00	-	4.00	4.00	17	-	-	1	18
Total	6,323					6,203	-	-	120					6,203	-	-	481	6,683

Nitrate:																		
GRAND TOTAL	141,345					138,659	-	-	2,686					138,659	-	-	10,742	149,402

Exhibit 25 - Nitrate, Part 2

Nitrate (continued)							
Ground Water Systems, CWSs, NTCWSs, and TNCWSs							
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 (=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, \$
	E	F	G=E*F	H	I	J	K=G*J
0-100	82,618	1.05	86,377	0.5	43,189	\$15	\$1,303,468
101-500	40,649	1.11	45,124	0.5	22,562	\$15	\$680,943
501-1,000	8,059	1.29	10,404	0.5	5,202	\$15	\$157,006
1,001-3,300	6,890	1.43	9,837	0.5	4,919	\$15	\$148,447
3,301-10,000	2,903	1.60	4,635	0.5	2,318	\$15	\$69,946
10,001-50,000	1,367	3.53	4,830	0.5	2,415	\$15	\$72,894
50,001-100,000	160	9.42	1,503	0.5	751	\$15	\$22,679
100,001-1,000,000	70	12.56	876	0.5	438	\$15	\$13,221
>1,000,000	3	12.56	40	0.5	20	\$15	\$601
Total	142,718		163,628		81,814		\$2,469,205

Nitrate (continued)							
Surface Water Systems, CWSs, NTCWSs, and TNCWSs							
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	1,236	1.04	1,282	0.5	641	\$15	\$19,341
101-500	1,238	1.06	1,314	0.5	657	\$15	\$19,823
501-1,000	487	1.16	566	0.5	283	\$15	\$8,534
1,001-3,300	1,092	1.14	1,245	0.5	623	\$15	\$18,794
3,301-10,000	1,093	1.13	1,236	0.5	618	\$15	\$18,646
10,001-50,000	1,032	1.58	1,627	0.5	813	\$15	\$24,545
50,001-100,000	237	1.98	469	0.5	235	\$15	\$7,081
100,001-1,000,000	251	3.30	826	0.5	413	\$15	\$12,471
>1,000,000	18	3.30	59	0.5	30	\$15	\$895
Total	6,683		8,623		4,312		\$130,130

Nitrate							
GRAND TOTAL	149,402		172,251		86,126		\$2,599,335

Note: Burden estimates take into account the results of the August 2011 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				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	78,163	99.8%	-	0.2%	0.0%	78,007	-	156	-	-	-	4.00	4.00	-	-	625	-	625
101-500	38,457	99.8%	-	0.2%	0.0%	38,380	-	77	-	-	-	4.00	4.00	-	-	308	-	308
501-1,000	7,624	99.8%	-	0.2%	0.0%	7,609	-	15	-	-	-	4.00	4.00	-	-	61	-	61
1,001-3,300	6,518	99.8%	-	0.2%	0.0%	6,505	-	13	-	-	-	4.00	4.00	-	-	52	-	52
3,301-10,000	2,747	99.8%	-	0.2%	0.0%	2,741	-	5	-	-	-	4.00	4.00	-	-	22	-	22
10,001-50,000	1,293	99.8%	-	0.2%	0.0%	1,290	-	3	-	-	-	4.00	4.00	-	-	10	-	10
50,001-100,000	151	99.8%	-	0.2%	0.0%	151	-	0	-	-	-	4.00	4.00	-	-	1	-	1
100,001-1,000,000	66	99.8%	-	0.2%	0.0%	66	-	0	-	-	-	4.00	4.00	-	-	1	-	1
>1,000,000	3	99.8%	-	0.2%	0.0%	3	-	0	-	-	-	4.00	4.00	-	-	0	-	0
Total	135,022					134,752	-	270	-					-	-	1,080	-	1,080

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				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	1,171	99.8%	-	0.2%	0.0%	1,169	-	2	-	-	-	4.00	4.00	-	-	9	-	9
501-1,000	461	99.8%	-	0.2%	0.0%	460	-	1	-	-	-	4.00	4.00	-	-	4	-	4
1,001-3,300	1,033	99.8%	-	0.2%	0.0%	1,031	-	2	-	-	-	4.00	4.00	-	-	8	-	8
3,301-10,000	1,034	99.8%	-	0.2%	0.0%	1,032	-	2	-	-	-	4.00	4.00	-	-	8	-	8
10,001-50,000	976	99.8%	-	0.2%	0.0%	974	-	2	-	-	-	4.00	4.00	-	-	8	-	8
50,001-100,000	224	99.8%	-	0.2%	0.0%	224	-	0	-	-	-	4.00	4.00	-	-	2	-	2
100,001-1,000,000	237	99.8%	-	0.2%	0.0%	237	-	0	-	-	-	4.00	4.00	-	-	2	-	2
>1,000,000	17	99.8%	-	0.2%	0.0%	17	-	0	-	-	-	4.00	4.00	-	-	0	-	0
Total	6,323					6,310	-	13	-					-	-	51	-	51

Nitrite:																		
GRAND TOTAL	141,345					141,062	-	283	-					-	-	1,131	-	1,131

Exhibit 27 - Nitrite, Part 2

Nitrite (continued)							
Ground Water Systems, CWSs, NTCWSs, and TNCWSs							
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	625	1.05	654	0.8	490	\$15	\$9,865
101-500	308	1.11	342	0.8	256	\$15	\$5,154
501-1,000	61	1.29	79	0.8	59	\$15	\$1,188
1,001-3,300	52	1.43	74	0.8	56	\$15	\$1,124
3,301-10,000	22	1.60	35	0.8	26	\$15	\$529
10,001-50,000	10	3.53	37	0.8	27	\$15	\$552
50,001-100,000	1	9.42	11	0.8	9	\$15	\$172
100,001-1,000,000	1	12.56	7	0.8	5	\$15	\$100
>1,000,000	0	12.56	0	0.8	0	\$15	\$5
Total	1,080		1,238		929		\$18,688

Nitrite (continued)							
Surface Water Systems, CWSs, NTCWSs, and TNCWSs							
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	9	1.04	10	0.8	7	\$15	\$146
101-500	9	1.06	10	0.8	7	\$15	\$150
501-1,000	4	1.16	4	0.8	3	\$15	\$65
1,001-3,300	8	1.14	9	0.8	7	\$15	\$142
3,301-10,000	8	1.13	9	0.8	7	\$15	\$141
10,001-50,000	8	1.58	12	0.8	9	\$15	\$186
50,001-100,000	2	1.98	4	0.8	3	\$15	\$54
100,001-1,000,000	2	3.30	6	0.8	5	\$15	\$94
>1,000,000	0	3.30	0	0.8	0	\$15	\$7
Total	51		65		49		\$985

Nitrite							
GRAND TOTAL	1,131		1,304		978		\$19,673

Note: Burden estimates take into account the results of the August 2011 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				
		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	19,842	79.9%	19.9%	0.2%	-	15,846	3,956	40	-	0.33	0.11	4.00	-	5,229	435	159	-	5,823
101-500	19,181	79.9%	19.9%	0.2%	-	15,318	3,825	38	-	0.33	0.11	4.00	-	5,055	421	153	-	5,629
501-1,000	5,688	79.9%	19.9%	0.2%	-	4,543	1,134	11	-	0.33	0.11	4.00	-	1,499	125	46	-	1,669
1,001-3,300	5,962	79.9%	19.9%	0.2%	-	4,761	1,189	12	-	0.33	0.11	4.00	-	1,571	131	48	-	1,750
3,301-10,000	2,684	79.9%	19.9%	0.2%	-	2,143	535	5	-	0.33	0.11	4.00	-	707	59	21	-	788
10,001-50,000	1,288	79.9%	19.9%	0.2%	-	1,029	257	3	-	0.33	0.11	4.00	-	339	28	10	-	378
50,001-100,000	149	79.9%	19.9%	0.2%	-	119	30	0	-	0.33	0.11	4.00	-	39	3	1	-	44
100,001-1,000,000	66	79.9%	19.9%	0.2%	-	53	13	0	-	0.33	0.11	4.00	-	17	1	1	-	19
>1,000,000	3	79.9%	19.9%	0.2%	-	2	1	0	-	0.33	0.11	4.00	-	1	0	0	-	1
Total	54,862					43,813	10,940	110	-					14,458	1,203	439	-	16,100

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				
		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	536	91.1%	8.9%	0.0%	-	489	48	-	-	1.00	0.11	4.00	-	489	5	-	-	494
101-500	796	91.1%	8.9%	0.0%	-	726	71	-	-	1.00	0.11	4.00	-	726	8	-	-	733
501-1,000	398	91.1%	8.9%	0.0%	-	363	35	-	-	1.00	0.11	4.00	-	363	4	-	-	367
1,001-3,300	983	91.1%	8.9%	0.0%	-	896	87	-	-	1.00	0.11	4.00	-	896	10	-	-	905
3,301-10,000	1,017	91.1%	8.9%	0.0%	-	927	90	-	-	1.00	0.11	4.00	-	927	10	-	-	937
10,001-50,000	976	91.1%	8.9%	0.0%	-	889	87	-	-	1.00	0.11	4.00	-	889	10	-	-	899
50,001-100,000	224	91.1%	8.9%	0.0%	-	204	20	-	-	1.00	0.11	4.00	-	204	2	-	-	206
100,001-1,000,000	237	91.1%	8.9%	0.0%	-	216	21	-	-	1.00	0.11	4.00	-	216	2	-	-	218
>1,000,000	17	91.1%	8.9%	0.0%	-	15	2	-	-	1.00	0.11	4.00	-	15	0	-	-	16
Total	5,185					4,725	460	-	-					4,725	51	-	-	4,775

Selenium:																		
GRAND TOTAL	60,047					48,538	11,400	110	-					19,183	1,254	439	-	20,876

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	5,823	1.05	6,088	0.5	3,044	\$30	\$183,739
101-500	5,629	1.11	6,249	0.5	3,124	\$30	\$188,593
501-1,000	1,669	1.29	2,155	0.5	1,078	\$30	\$65,046
1,001-3,300	1,750	1.43	2,498	0.5	1,249	\$30	\$75,389
3,301-10,000	788	1.60	1,257	0.5	629	\$30	\$37,949
10,001-50,000	378	3.53	1,336	0.5	668	\$30	\$40,321
50,001-100,000	44	9.42	412	0.5	206	\$30	\$12,427
100,001-1,000,000	19	12.56	243	0.5	122	\$30	\$7,342
>1,000,000	1	12.56	11	0.5	6	\$30	\$334
Total	16,100		20,249		10,125		\$611,140

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	494	1.04	512	0.5	256	\$30	\$15,467
101-500	733	1.06	778	0.5	389	\$30	\$23,482
501-1,000	367	1.16	425	0.5	213	\$30	\$12,839
1,001-3,300	905	1.14	1,033	0.5	516	\$30	\$31,164
3,301-10,000	937	1.13	1,059	0.5	529	\$30	\$31,959
10,001-50,000	899	1.58	1,417	0.5	709	\$30	\$42,773
50,001-100,000	206	1.98	409	0.5	204	\$30	\$12,339
100,001-1,000,000	218	3.30	720	0.5	360	\$30	\$21,731
>1,000,000	16	3.30	52	0.5	26	\$30	\$1,559
Total	4,775		6,405		3,203		\$193,314

Selenium							
GRAND TOTAL	20,876		26,655		13,327		\$804,454

Note: Burden estimates take into account the results of the August 2011 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") A	Percent of Systems by Scenario (from "% by scenario") B				Number of Systems by Scenario C=A*B				Annual Sampling Frequency by Scenario (from "frequency") D				Annual Sampling Events by Scenario 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	19,842	48.9%	44.7%	3.2%	3.2%	9,696	8,876	635	635	0.33	0.22	4.00	1.67	3,200	1,953	2,540
101-500	19,181	48.9%	44.7%	3.2%	3.2%	9,373	8,580	614	614	0.33	0.22	4.00	1.67	3,093	1,888	2,455	1,025	8,461
501-1,000	5,688	48.9%	44.7%	3.2%	3.2%	2,780	2,545	182	182	0.33	0.22	4.00	1.67	917	560	728	304	2,509
1,001-3,300	5,962	48.9%	44.7%	3.2%	3.2%	2,913	2,667	191	191	0.33	0.22	4.00	1.67	961	587	763	319	2,630
3,301-10,000	2,684	48.9%	44.7%	3.2%	3.2%	1,311	1,200	86	86	0.33	0.22	4.00	1.67	433	264	343	143	1,184
10,001-50,000	1,288	48.9%	44.7%	3.2%	3.2%	629	576	41	41	0.33	0.22	4.00	1.67	208	127	165	69	568
50,001-100,000	149	48.9%	44.7%	3.2%	3.2%	73	67	5	5	0.33	0.22	4.00	1.67	24	15	19	8	66
100,001-1,000,000	66	48.9%	44.7%	3.2%	3.2%	32	30	2	2	0.33	0.22	4.00	1.67	11	6	8	4	29
>1,000,000	3	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	54,862					26,810	24,541	1,756	1,756					8,847	5,399	7,022	2,932	24,200

Phase II VOCs Surface Water Systems, CWSs & NTNCWSs																		
Size Category	# of Affected Systems (from C of "systems") A	Percent of Systems by Scenario (from "% by scenario") B				Number of Systems by Scenario C=A*B				Annual Sampling Frequency by Scenario (from "frequency") D				Annual Sampling Events by Scenario 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	536	70.0%	18.9%	2.9%	8.2%	376	101	16	44	1.00	0.33	4.00	2.33	376	33	62
101-500	796	70.0%	18.9%	2.9%	8.2%	558	150	23	65	1.00	0.33	4.00	2.33	558	50	92	152	852
501-1,000	398	70.0%	18.9%	2.9%	8.2%	279	75	12	33	1.00	0.33	4.00	2.33	279	25	46	76	426
1,001-3,300	983	70.0%	18.9%	2.9%	8.2%	688	186	29	81	1.00	0.33	4.00	2.33	688	61	114	188	1,052
3,301-10,000	1,017	70.0%	18.9%	2.9%	8.2%	712	192	29	83	1.00	0.33	4.00	2.33	712	63	118	194	1,088
10,001-50,000	976	70.0%	18.9%	2.9%	8.2%	683	184	28	80	1.00	0.33	4.00	2.33	683	61	113	186	1,044
50,001-100,000	224	70.0%	18.9%	2.9%	8.2%	157	42	6	18	1.00	0.33	4.00	2.33	157	14	26	43	240
100,001-1,000,000	237	70.0%	18.9%	2.9%	8.2%	166	45	7	19	1.00	0.33	4.00	2.33	166	15	27	45	253
>1,000,000	17	70.0%	18.9%	2.9%	8.2%	12	3	0	1	1.00	0.33	4.00	2.33	12	1	2	3	18
Total	5,185					3,631	979	150	425					3,631	323	601	991	5,546

Phase II VOCs:																		
GRAND TOTAL	60,047					30,441	25,520	1,906	2,181					12,478	5,722	7,624	3,923	29,746

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	8,753	1.05	9,151	0.0	-	\$226	\$2,071,324
101-500	8,461	1.11	9,393	0.0	-	\$226	\$2,126,049
501-1,000	2,509	1.29	3,239	0.0	-	\$226	\$733,279
1,001-3,300	2,630	1.43	3,755	0.0	-	\$226	\$849,877
3,301-10,000	1,184	1.60	1,890	0.0	-	\$226	\$427,811
10,001-50,000	568	3.53	2,008	0.0	-	\$226	\$454,544
50,001-100,000	66	9.42	619	0.0	-	\$226	\$140,090
100,001-1,000,000	29	12.56	366	0.0	-	\$226	\$82,764
>1,000,000	1	12.56	17	0.0	-	\$226	\$3,762
Total	24,200		30,437		-		\$6,889,499

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	574	1.04	595	0.0	-	\$226	\$134,718
101-500	852	1.06	904	0.0	-	\$226	\$204,530
501-1,000	426	1.16	494	0.0	-	\$226	\$111,831
1,001-3,300	1,052	1.14	1,199	0.0	-	\$226	\$271,437
3,301-10,000	1,088	1.13	1,230	0.0	-	\$226	\$278,364
10,001-50,000	1,044	1.58	1,646	0.0	-	\$226	\$372,553
50,001-100,000	240	1.98	475	0.0	-	\$226	\$107,473
100,001-1,000,000	253	3.30	836	0.0	-	\$226	\$189,279
>1,000,000	18	3.30	60	0.0	-	\$226	\$13,577
Total	5,546		7,439		-		\$1,683,761

Phase II VOCs			
GRAND TOTAL	29,746	37,875	\$8,573,261

Note: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

Exhibit 32 - Phase II SOCs, Part 1

Phase II SOCs																		
Ground Water Systems, CWSs & NTCWSs																		
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				
		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	19,842	20.4%	66.2%	1.0%	12.4%	4,041	13,142	198	2,460	0.33	-	4.00	1.67	1,334	-	794	4,109	6,236
101-500	19,181	20.4%	66.2%	1.0%	12.4%	3,907	12,704	192	2,378	0.33	-	4.00	1.67	1,289	-	767	3,972	6,028
501-1,000	5,688	20.4%	66.2%	1.0%	12.4%	1,159	3,768	57	705	0.33	-	4.00	1.67	382	-	228	1,178	1,788
1,001-3,300	5,962	20.4%	66.2%	1.0%	12.4%	1,214	3,948	60	739	0.33	-	4.00	1.67	401	-	238	1,235	1,874
3,301-10,000	2,684	20.4%	66.2%	1.0%	12.4%	547	1,777	27	333	0.67	-	4.00	1.67	366	-	107	556	1,029
10,001-50,000	1,288	20.4%	66.2%	1.0%	12.4%	262	853	13	160	0.67	-	4.00	1.67	176	-	52	267	494
50,001-100,000	149	20.4%	66.2%	1.0%	12.4%	30	99	1	18	0.67	-	4.00	1.67	20	-	6	31	57
100,001-1,000,000	66	20.4%	66.2%	1.0%	12.4%	13	44	1	8	0.67	-	4.00	1.67	9	-	3	14	25
>1,000,000	3	20.4%	66.2%	1.0%	12.4%	1	2	0	0	0.67	-	4.00	1.67	0	-	0	1	1
Total	54,862					11,174	36,336	549	6,803					3,978	-	2,194	11,361	17,533

Phase II SOCs																		
Surface Water Systems, CWSs & NTCWSs																		
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				
		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	536	51.8%	27.8%	0.9%	19.5%	278	149	5	105	0.33	-	4.00	2.33	92	-	19	244	355
101-500	796	51.8%	27.8%	0.9%	19.5%	413	221	7	155	0.33	-	4.00	2.33	136	-	29	362	527
501-1,000	398	51.8%	27.8%	0.9%	19.5%	206	111	4	78	0.33	-	4.00	2.33	68	-	14	181	263
1,001-3,300	983	51.8%	27.8%	0.9%	19.5%	510	273	9	192	0.33	-	4.00	2.33	168	-	35	447	650
3,301-10,000	1,017	51.8%	27.8%	0.9%	19.5%	527	282	9	198	0.67	-	4.00	2.33	353	-	37	462	852
10,001-50,000	976	51.8%	27.8%	0.9%	19.5%	506	271	9	190	0.67	-	4.00	2.33	339	-	35	443	818
50,001-100,000	224	51.8%	27.8%	0.9%	19.5%	116	62	2	44	0.67	-	4.00	2.33	78	-	8	102	188
100,001-1,000,000	237	51.8%	27.8%	0.9%	19.5%	123	66	2	46	0.67	-	4.00	2.33	82	-	9	108	199
>1,000,000	17	51.8%	27.8%	0.9%	19.5%	9	5	0	3	0.67	-	4.00	2.33	6	-	1	8	14
Total	5,185					2,688	1,440	47	1,011					1,322	-	187	2,356	3,865

Phase II SOCs:																		
GRAND TOTAL	60,047					13,862	37,776	595	7,814					5,300	-	2,381	13,717	21,398

Exhibit 33 - Phase II SOCs, Part 2

Phase II SOCs (continued)							
Ground Water Systems, CWSs & NTCWSs							
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	6,236	1.05	6,520	1.0	6,520	\$1,087	\$7,083,945
101-500	6,028	1.11	6,692	1.0	6,692	\$1,087	\$7,271,103
501-1,000	1,788	1.29	2,308	1.0	2,308	\$1,087	\$2,507,820
1,001-3,300	1,874	1.43	2,675	1.0	2,675	\$1,087	\$2,906,585
3,301-10,000	1,029	1.60	1,643	1.0	1,643	\$1,087	\$1,785,501
10,001-50,000	494	3.53	1,746	1.0	1,746	\$1,087	\$1,897,073
50,001-100,000	57	9.42	538	1.0	538	\$1,087	\$584,678
100,001-1,000,000	25	12.56	318	1.0	318	\$1,087	\$345,422
>1,000,000	1	12.56	14	1.0	14	\$1,087	\$15,701
Total	17,533		22,455		22,455		\$24,397,828

Phase II SOCs (continued)							
Surface Water Systems, CWSs & NTCWSs							
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	355	1.04	368	1.0	368	\$1,087	\$399,886
101-500	527	1.06	559	1.0	559	\$1,087	\$607,108
501-1,000	263	1.16	306	1.0	306	\$1,087	\$331,951
1,001-3,300	650	1.14	742	1.0	742	\$1,087	\$805,710
3,301-10,000	852	1.13	963	1.0	963	\$1,087	\$1,046,441
10,001-50,000	818	1.58	1,289	1.0	1,289	\$1,087	\$1,400,523
50,001-100,000	188	1.98	372	1.0	372	\$1,087	\$404,017
100,001-1,000,000	199	3.30	655	1.0	655	\$1,087	\$711,550
>1,000,000	14	3.30	47	1.0	47	\$1,087	\$51,039
Total	3,865		5,300		5,300		\$5,758,226

Phase II SOCs							
GRAND TOTAL	21,398		27,755		27,755		\$30,156,054

Note: Burden estimates take into account the results of the August 2011 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				
		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	19,842	79.9%	19.9%	0.2%	-	15,846	3,956	40	-	0.33	0.11	4.00	-	5,229	435	159	-	5,823
101-500	19,181	79.9%	19.9%	0.2%	-	15,318	3,825	38	-	0.33	0.11	4.00	-	5,055	421	153	-	5,629
501-1,000	5,688	79.9%	19.9%	0.2%	-	4,543	1,134	11	-	0.33	0.11	4.00	-	1,499	125	46	-	1,669
1,001-3,300	5,962	79.9%	19.9%	0.2%	-	4,761	1,189	12	-	0.33	0.11	4.00	-	1,571	131	48	-	1,750
3,301-10,000	2,684	79.9%	19.9%	0.2%	-	2,143	535	5	-	0.33	0.11	4.00	-	707	59	21	-	788
10,001-50,000	1,288	79.9%	19.9%	0.2%	-	1,029	257	3	-	0.33	0.11	4.00	-	339	28	10	-	378
50,001-100,000	149	79.9%	19.9%	0.2%	-	119	30	0	-	0.33	0.11	4.00	-	39	3	1	-	44
100,001-1,000,000	66	79.9%	19.9%	0.2%	-	53	13	0	-	0.33	0.11	4.00	-	17	1	1	-	19
>1,000,000	3	79.9%	19.9%	0.2%	-	2	1	0	-	0.33	0.11	4.00	-	1	0	0	-	1
Total	54,862					43,813	10,940	110	-					14,458	1,203	439	-	16,100

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				
		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	536	90.7%	8.8%	0.5%	-	486	47	3	-	1.00	0.11	4.00	-	486	5	11	-	502
101-500	796	90.7%	8.8%	0.5%	-	722	70	4	-	1.00	0.11	4.00	-	722	8	16	-	746
501-1,000	398	90.7%	8.8%	0.5%	-	361	35	2	-	1.00	0.11	4.00	-	361	4	8	-	373
1,001-3,300	983	90.7%	8.8%	0.5%	-	891	87	5	-	1.00	0.11	4.00	-	891	10	20	-	921
3,301-10,000	1,017	90.7%	8.8%	0.5%	-	922	90	5	-	1.00	0.11	4.00	-	922	10	20	-	952
10,001-50,000	976	90.7%	8.8%	0.5%	-	885	86	5	-	1.00	0.11	4.00	-	885	9	20	-	914
50,001-100,000	224	90.7%	8.8%	0.5%	-	203	20	1	-	1.00	0.11	4.00	-	203	2	4	-	210
100,001-1,000,000	237	90.7%	8.8%	0.5%	-	215	21	1	-	1.00	0.11	4.00	-	215	2	5	-	222
>1,000,000	17	90.7%	8.8%	0.5%	-	15	2	0	-	1.00	0.11	4.00	-	15	0	0	-	16
Total	5,185					4,701	458	26	-					4,701	50	104	-	4,855

Barium:																		
GRAND TOTAL	60,047					48,514	11,398	136	-					19,159	1,254	543	-	20,956

Exhibit 35 - Barium, Part 2

Barium (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	
	E	F	G=E*F	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	5,823	1.05	6,088	0.5	3,044	\$14	\$82,683
101-500	5,629	1.11	6,249	0.5	3,124	\$14	\$84,867
501-1,000	1,669	1.29	2,155	0.5	1,078	\$14	\$29,271
1,001-3,300	1,750	1.43	2,498	0.5	1,249	\$14	\$33,925
3,301-10,000	788	1.60	1,257	0.5	629	\$14	\$17,077
10,001-50,000	378	3.53	1,336	0.5	668	\$14	\$18,144
50,001-100,000	44	9.42	412	0.5	206	\$14	\$5,592
100,001-1,000,000	19	12.56	243	0.5	122	\$14	\$3,304
>1,000,000	1	12.56	11	0.5	6	\$14	\$150
Total	16,100		20,249		10,125		\$275,013

Barium (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	
	E	F	G=E*F	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	502	1.04	521	0.5	261	\$14	\$7,077
101-500	746	1.06	791	0.5	396	\$14	\$10,744
501-1,000	373	1.16	433	0.5	216	\$14	\$5,874
1,001-3,300	921	1.14	1,050	0.5	525	\$14	\$14,258
3,301-10,000	952	1.13	1,077	0.5	538	\$14	\$14,622
10,001-50,000	914	1.58	1,441	0.5	720	\$14	\$19,570
50,001-100,000	210	1.98	416	0.5	208	\$14	\$5,645
100,001-1,000,000	222	3.30	732	0.5	366	\$14	\$9,943
>1,000,000	16	3.30	53	0.5	26	\$14	\$713
Total	4,855		6,512		3,256		\$88,446

Barium			
GRAND TOTAL	20,956	26,762	\$363,458

Note: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

Exhibit 36 - Pentachlorophenol, Part 1

Pentachlorophenol Ground Water Systems, CWSs & NTNCWSs																		
Size Category	# of Affected Systems (from C of "systems") A	Percent of Systems by Scenario (from "% by scenario") B				Number of Systems by Scenario C=A*B				Annual Sampling Frequency by Scenario (from "frequency") D				Annual Sampling Events by Scenario 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	19,842	24.9%	74.4%	0.0%	0.7%	4,949	14,754	-	139	0.33	-	4.00	1.67	1,633	-	-
101-500	19,181	24.9%	74.4%	0.0%	0.7%	4,784	14,262	-	134	0.33	-	4.00	1.67	1,579	-	-	224	1,803
501-1,000	5,688	24.9%	74.4%	0.0%	0.7%	1,419	4,230	-	40	0.33	-	4.00	1.67	468	-	-	66	535
1,001-3,300	5,962	24.9%	74.4%	0.0%	0.7%	1,487	4,433	-	42	0.33	-	4.00	1.67	491	-	-	70	560
3,301-10,000	2,684	24.9%	74.4%	0.0%	0.7%	669	1,995	-	19	0.67	-	4.00	1.67	448	-	-	31	480
10,001-50,000	1,288	24.9%	74.4%	0.0%	0.7%	321	958	-	9	0.67	-	4.00	1.67	215	-	-	15	230
50,001-100,000	149	24.9%	74.4%	0.0%	0.7%	37	111	-	1	0.67	-	4.00	1.67	25	-	-	2	27
100,001-1,000,000	66	24.9%	74.4%	0.0%	0.7%	16	49	-	0	0.67	-	4.00	1.67	11	-	-	1	12
>1,000,000	3	24.9%	74.4%	0.0%	0.7%	1	2	-	0	0.67	-	4.00	1.67	1	-	-	0	1
Total	54,862					13,685	40,793	-	384					4,871	-	-	641	5,513

Pentachlorophenol Surface Water Systems, CWSs & NTNCWSs																		
Size Category	# of Affected Systems (from C of "systems") A	Percent of Systems by Scenario (from "% by scenario") B				Number of Systems by Scenario C=A*B				Annual Sampling Frequency by Scenario (from "frequency") D				Annual Sampling Events by Scenario 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	536	64.7%	32.2%	0.2%	2.9%	347	173	1	16	0.33	-	4.00	2.33	114	-	4
101-500	796	64.7%	32.2%	0.2%	2.9%	515	257	2	23	0.33	-	4.00	2.33	170	-	6	54	230
501-1,000	398	64.7%	32.2%	0.2%	2.9%	257	128	1	12	0.33	-	4.00	2.33	85	-	3	27	115
1,001-3,300	983	64.7%	32.2%	0.2%	2.9%	636	317	2	29	0.33	-	4.00	2.33	210	-	8	66	284
3,301-10,000	1,017	64.7%	32.2%	0.2%	2.9%	658	328	2	29	0.67	-	4.00	2.33	441	-	8	69	517
10,001-50,000	976	64.7%	32.2%	0.2%	2.9%	631	315	2	28	0.67	-	4.00	2.33	423	-	8	66	497
50,001-100,000	224	64.7%	32.2%	0.2%	2.9%	145	72	0	6	0.67	-	4.00	2.33	97	-	2	15	114
100,001-1,000,000	237	64.7%	32.2%	0.2%	2.9%	153	76	0	7	0.67	-	4.00	2.33	103	-	2	16	121
>1,000,000	17	64.7%	32.2%	0.2%	2.9%	11	5	0	0	0.67	-	4.00	2.33	7	-	0	1	9
Total	5,185					3,352	1,672	10	150					1,649	-	41	350	2,041

Pentachlorophenol:																			
GRAND TOTAL	60,047					17,037	42,465	10	534					6,521	-	41	992	7,554	

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	1,865	1.05	1,950	0.0	-	\$0	\$0
101-500	1,803	1.11	2,002	0.0	-	\$0	\$0
501-1,000	535	1.29	690	0.0	-	\$0	\$0
1,001-3,300	560	1.43	800	0.0	-	\$0	\$0
3,301-10,000	480	1.60	766	0.0	-	\$0	\$0
10,001-50,000	230	3.53	814	0.0	-	\$0	\$0
50,001-100,000	27	9.42	251	0.0	-	\$0	\$0
100,001-1,000,000	12	12.56	148	0.0	-	\$0	\$0
>1,000,000	1	12.56	7	0.0	-	\$0	\$0
Total	5,513		7,428		-		\$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	155	1.04	161	0.0	-	\$0	\$0
101-500	230	1.06	244	0.0	-	\$0	\$0
501-1,000	115	1.16	133	0.0	-	\$0	\$0
1,001-3,300	284	1.14	324	0.0	-	\$0	\$0
3,301-10,000	517	1.13	585	0.0	-	\$0	\$0
10,001-50,000	497	1.58	783	0.0	-	\$0	\$0
50,001-100,000	114	1.98	226	0.0	-	\$0	\$0
100,001-1,000,000	121	3.30	398	0.0	-	\$0	\$0
>1,000,000	9	3.30	29	0.0	-	\$0	\$0
Total	2,041		2,882		-		\$0

Pentachlorophenol							
GRAND TOTAL	7,554		10,310		-		\$0

Note: Burden estimates take into account the results of the August 2011 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") A	Percent of Systems by Scenario (from "% by scenario") B				Number of Systems by Scenario C=A*B				Annual Sampling Frequency by Scenario (from "frequency") D				Annual Sampling Events by Scenario 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	19,842	21.8%	64.8%	1.0%	12.4%	4,323	12,860	198	2,460	0.33	-	4.00	1.67	1,427	-	794
101-500	19,181	21.8%	64.8%	1.0%	12.4%	4,179	12,431	192	2,378	0.33	-	4.00	1.67	1,379	-	767	3,972	6,118
501-1,000	5,688	21.8%	64.8%	1.0%	12.4%	1,239	3,687	57	705	0.33	-	4.00	1.67	409	-	228	1,178	1,815
1,001-3,300	5,962	21.8%	64.8%	1.0%	12.4%	1,299	3,864	60	739	0.33	-	4.00	1.67	429	-	238	1,235	1,902
3,301-10,000	2,684	21.8%	64.8%	1.0%	12.4%	585	1,739	27	333	0.67	-	4.00	1.67	392	-	107	556	1,055
10,001-50,000	1,288	21.8%	64.8%	1.0%	12.4%	281	835	13	160	0.67	-	4.00	1.67	188	-	52	267	506
50,001-100,000	149	21.8%	64.8%	1.0%	12.4%	32	97	1	18	0.67	-	4.00	1.67	22	-	6	31	59
100,001-1,000,000	66	21.8%	64.8%	1.0%	12.4%	14	43	1	8	0.67	-	4.00	1.67	10	-	3	14	26
>1,000,000	3	21.8%	64.8%	1.0%	12.4%	1	2	0	0	0.67	-	4.00	1.67	0	-	0	1	1
Total	54,862					11,954	35,557	549	6,803					4,255	-	2,194	11,361	17,810

Adipates, Phthalates Surface Water Systems, CWSs & NTNCWSs																		
Size Category	# of Affected Systems (from C of "systems") A	Percent of Systems by Scenario (from "% by scenario") B				Number of Systems by Scenario C=A*B				Annual Sampling Frequency by Scenario (from "frequency") D				Annual Sampling Events by Scenario 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	536	50.9%	28.7%	0.9%	19.5%	273	154	5	105	0.33	-	4.00	2.33	90	-	19
101-500	796	50.9%	28.7%	0.9%	19.5%	405	228	7	155	0.33	-	4.00	2.33	134	-	29	362	524
501-1,000	398	50.9%	28.7%	0.9%	19.5%	203	114	4	78	0.33	-	4.00	2.33	67	-	14	181	262
1,001-3,300	983	50.9%	28.7%	0.9%	19.5%	501	282	9	192	0.33	-	4.00	2.33	165	-	35	447	647
3,301-10,000	1,017	50.9%	28.7%	0.9%	19.5%	518	292	9	198	0.67	-	4.00	2.33	347	-	37	462	846
10,001-50,000	976	50.9%	28.7%	0.9%	19.5%	497	280	9	190	0.67	-	4.00	2.33	333	-	35	443	812
50,001-100,000	224	50.9%	28.7%	0.9%	19.5%	114	64	2	44	0.67	-	4.00	2.33	76	-	8	102	186
100,001-1,000,000	237	50.9%	28.7%	0.9%	19.5%	121	68	2	46	0.67	-	4.00	2.33	81	-	9	108	197
>1,000,000	17	50.9%	28.7%	0.9%	19.5%	9	5	0	3	0.67	-	4.00	2.33	6	-	1	8	14
Total	5,185					2,640	1,488	47	1,011					1,299	-	187	2,356	3,841

Adipates, Phthalates :																		
GRAND TOTAL	60,047					14,594	37,044	595	7,814					5,554	-	2,381	13,717	21,652

Exhibit 39 - Adipates, Phthalates, Part 2

Adipates, Phthalates (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	6,329	1.05	6,617	0.5	3,309	\$226	\$1,497,829
101-500	6,118	1.11	6,792	0.5	3,396	\$226	\$1,537,402
501-1,000	1,815	1.29	2,343	0.5	1,171	\$226	\$530,254
1,001-3,300	1,902	1.43	2,715	0.5	1,358	\$226	\$614,568
3,301-10,000	1,055	1.60	1,684	0.5	842	\$226	\$381,208
10,001-50,000	506	3.53	1,789	0.5	895	\$226	\$405,029
50,001-100,000	59	9.42	551	0.5	276	\$226	\$124,830
100,001-1,000,000	26	12.56	326	0.5	163	\$226	\$73,748
>1,000,000	1	12.56	15	0.5	7	\$226	\$3,352
Total	17,810		22,832		11,416		\$5,168,221

Adipates, Phthalates (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	353	1.04	366	0.5	183	\$226	\$82,926
101-500	524	1.06	556	0.5	278	\$226	\$125,898
501-1,000	262	1.16	304	0.5	152	\$226	\$68,838
1,001-3,300	647	1.14	738	0.5	369	\$226	\$167,083
3,301-10,000	846	1.13	956	0.5	478	\$226	\$216,399
10,001-50,000	812	1.58	1,279	0.5	640	\$226	\$289,621
50,001-100,000	186	1.98	369	0.5	185	\$226	\$83,549
100,001-1,000,000	197	3.30	650	0.5	325	\$226	\$147,145
>1,000,000	14	3.30	47	0.5	23	\$226	\$10,555
Total	3,841		5,266		2,633		\$1,192,012

Adipates, Phthalates			
GRAND TOTAL	21,652	28,098	\$6,360,232

Note: Burden estimates take into account the results of the August 2011 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				
		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	19,842	22.3%	77.2%	0.1%	0.4%	4,422	15,320	20	79	0.33	-	4.00	1.67	1,459	-	79	133	1,671
101-500	19,181	22.3%	77.2%	0.1%	0.4%	4,275	14,810	19	77	0.33	-	4.00	1.67	1,411	-	77	128	1,616
501-1,000	5,688	22.3%	77.2%	0.1%	0.4%	1,268	4,392	6	23	0.33	-	4.00	1.67	418	-	23	38	479
1,001-3,300	5,962	22.3%	77.2%	0.1%	0.4%	1,329	4,603	6	24	0.33	-	4.00	1.67	438	-	24	40	502
3,301-10,000	2,684	22.3%	77.2%	0.1%	0.4%	598	2,072	3	11	0.67	-	4.00	1.67	401	-	11	18	429
10,001-50,000	1,288	22.3%	77.2%	0.1%	0.4%	287	994	1	5	0.67	-	4.00	1.67	192	-	5	9	206
50,001-100,000	149	22.3%	77.2%	0.1%	0.4%	33	115	0	1	0.67	-	4.00	1.67	22	-	1	1	24
100,001-1,000,000	66	22.3%	77.2%	0.1%	0.4%	15	51	0	0	0.67	-	4.00	1.67	10	-	0	0	11
>1,000,000	3	22.3%	77.2%	0.1%	0.4%	1	2	0	0	0.67	-	4.00	1.67	0	-	0	0	0
Total	54,862					12,228	42,360	55	219					4,353	-	219	366	4,939

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				
		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	536	61.6%	37.9%	0.0%	0.5%	330	203	-	3	0.33	-	4.00	2.33	109	-	-	6	115
101-500	796	61.6%	37.9%	0.0%	0.5%	490	302	-	4	0.33	-	4.00	2.33	162	-	-	9	171
501-1,000	398	61.6%	37.9%	0.0%	0.5%	245	151	-	2	0.33	-	4.00	2.33	81	-	-	5	86
1,001-3,300	983	61.6%	37.9%	0.0%	0.5%	606	373	-	5	0.33	-	4.00	2.33	200	-	-	11	211
3,301-10,000	1,017	61.6%	37.9%	0.0%	0.5%	627	386	-	5	0.67	-	4.00	2.33	420	-	-	12	432
10,001-50,000	976	61.6%	37.9%	0.0%	0.5%	601	370	-	5	0.67	-	4.00	2.33	403	-	-	11	414
50,001-100,000	224	61.6%	37.9%	0.0%	0.5%	138	85	-	1	0.67	-	4.00	2.33	92	-	-	3	95
100,001-1,000,000	237	61.6%	37.9%	0.0%	0.5%	146	90	-	1	0.67	-	4.00	2.33	98	-	-	3	101
>1,000,000	17	61.6%	37.9%	0.0%	0.5%	10	6	-	0	0.67	-	4.00	2.33	7	-	-	0	7
Total	5,185					3,194	1,966	-	26					1,571	-	-	60	1,632

PAH Benzo(a)pyrene																		
GRAND TOTAL	60,047					15,421	44,326	55	245					5,924	-	219	427	6,570

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

PAH Benzo(a)pyrene (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	1,671	1.05	1,747	0.0	-	\$226	\$395,517
101-500	1,616	1.11	1,793	0.0	-	\$226	\$405,966
501-1,000	479	1.29	619	0.0	-	\$226	\$140,019
1,001-3,300	502	1.43	717	0.0	-	\$226	\$162,283
3,301-10,000	429	1.60	686	0.0	-	\$226	\$155,184
10,001-50,000	206	3.53	728	0.0	-	\$226	\$164,881
50,001-100,000	24	9.42	224	0.0	-	\$226	\$50,816
100,001-1,000,000	11	12.56	133	0.0	-	\$226	\$30,022
>1,000,000	0	12.56	6	0.0	-	\$226	\$1,365
Total	4,939		6,653		-		\$1,506,051

PAH Benzo(a)pyrene (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	115	1.04	120	0.0	-	\$226	\$27,068
101-500	171	1.06	182	0.0	-	\$226	\$41,095
501-1,000	86	1.16	99	0.0	-	\$226	\$22,470
1,001-3,300	211	1.14	241	0.0	-	\$226	\$54,538
3,301-10,000	432	1.13	488	0.0	-	\$226	\$110,431
10,001-50,000	414	1.58	653	0.0	-	\$226	\$147,797
50,001-100,000	95	1.98	188	0.0	-	\$226	\$42,636
100,001-1,000,000	101	3.30	332	0.0	-	\$226	\$75,090
>1,000,000	7	3.30	24	0.0	-	\$226	\$5,386
Total	1,632		2,326		-		\$526,512

PAH Benzo(a)pyrene							
GRAND TOTAL	6,570		8,980		-		\$2,032,563

Note: Burden estimates take into account the results of the August 2011 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	19,842	7.4%	91.3%	1.30%	0%	1,461	18,123	258	-	0.33	-	4.00	1.67	482	-	1,032	-	1,514			
101-500	19,181	7.4%	91.3%	1.30%	0%	1,412	17,519	249	-	0.33	-	4.00	1.67	466	-	997	-	1,463			
501-1,000	5,688	7.4%	91.3%	1.30%	0%	419	5,196	74	-	0.33	-	4.00	1.67	138	-	296	-	434			
1,001-3,300	5,962	7.4%	91.3%	1.30%	0%	439	5,445	77	-	0.33	-	4.00	1.67	145	-	310	-	455			
3,301-10,000	2,684	7.4%	91.3%	1.30%	0%	198	2,451	35	-	0.67	-	4.00	1.67	132	-	140	-	272			
10,001-50,000	1,288	7.4%	91.3%	1.30%	0%	95	1,176	17	-	0.67	-	4.00	1.67	64	-	67	-	131			
50,001-100,000	149	7.4%	91.3%	1.30%	0%	11	136	2	-	0.67	-	4.00	1.67	7	-	8	-	15			
100,001-1,000,000	66	7.4%	91.3%	1.30%	0%	5	60	1	-	0.67	-	4.00	1.67	3	-	3	-	7			
>1,000,000	3	7.4%	91.3%	1.30%	0%	0	3	0	-	0.67	-	4.00	1.67	0	-	0	-	0			
Total	54,862					4,040	50,109	713	-					1,438	-	2,853	-	4,291			

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	536	26.8%	73.2%	0%	0%	144	393	-	-	0.33	-	4.00	2.33	47	-	-	-	47			
101-500	796	26.8%	73.2%	0%	0%	213	583	-	-	0.33	-	4.00	2.33	70	-	-	-	70			
501-1,000	398	26.8%	73.2%	0%	0%	107	292	-	-	0.33	-	4.00	2.33	35	-	-	-	35			
1,001-3,300	983	26.8%	73.2%	0%	0%	263	720	-	-	0.33	-	4.00	2.33	87	-	-	-	87			
3,301-10,000	1,017	26.8%	73.2%	0%	0%	272	745	-	-	0.67	-	4.00	2.33	182	-	-	-	182			
10,001-50,000	976	26.8%	73.2%	0%	0%	261	715	-	-	0.67	-	4.00	2.33	175	-	-	-	175			
50,001-100,000	224	26.8%	73.2%	0%	0%	60	164	-	-	0.67	-	4.00	2.33	40	-	-	-	40			
100,001-1,000,000	237	26.8%	73.2%	0%	0%	63	174	-	-	0.67	-	4.00	2.33	42	-	-	-	42			
>1,000,000	17	26.8%	73.2%	0%	0%	5	12	-	-	0.67	-	4.00	2.33	3	-	-	-	3			
Total	5,185					1,388	3,798	-	-					683	-	-	-	683			

Dioxin :																		
GRAND TOTAL	60,047					5,427	53,907	713	-					2,121	-	2,853	-	4,973

Exhibit 43 - Dioxin, Part 2

Dioxin (continued)							
Ground Water Systems, CWSs & NTCWSs							
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	1,514	1.05	1,583	1.0	1,583	\$1,358	\$2,149,612
101-500	1,463	1.11	1,625	1.0	1,625	\$1,358	\$2,206,405
501-1,000	434	1.29	560	1.0	560	\$1,358	\$760,994
1,001-3,300	455	1.43	649	1.0	649	\$1,358	\$881,998
3,301-10,000	272	1.60	434	1.0	434	\$1,358	\$589,656
10,001-50,000	131	3.53	461	1.0	461	\$1,358	\$626,502
50,001-100,000	15	9.42	142	1.0	142	\$1,358	\$193,088
100,001-1,000,000	7	12.56	84	1.0	84	\$1,358	\$114,074
>1,000,000	0	12.56	4	1.0	4	\$1,358	\$5,185
Total	4,291		5,543		5,543		\$7,527,514

Dioxin (continued)							
Surface Water Systems, CWSs & NTCWSs							
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	47	1.04	49	1.0	49	\$1,358	\$66,739
101-500	70	1.06	75	1.0	75	\$1,358	\$101,323
501-1,000	35	1.16	41	1.0	41	\$1,358	\$55,401
1,001-3,300	87	1.14	99	1.0	99	\$1,358	\$134,468
3,301-10,000	182	1.13	206	1.0	206	\$1,358	\$279,978
10,001-50,000	175	1.58	276	1.0	276	\$1,358	\$374,714
50,001-100,000	40	1.98	80	1.0	80	\$1,358	\$108,096
100,001-1,000,000	42	3.30	140	1.0	140	\$1,358	\$190,377
>1,000,000	3	3.30	10	1.0	10	\$1,358	\$13,656
Total	683		975		975		\$1,324,751

Dioxin							
GRAND TOTAL	4,973		6,518		6,518		\$8,852,265

Note: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

Exhibit 44 - Phase V VOCs, Part 1

Phase V VOCs Ground Water Systems, CWSs & NTCWSs																		
Size Category	# of Affected Systems (from C of "systems") A	Percent of Systems by Scenario (from "% by scenario") B				Number of Systems by Scenario C=A*B				Annual Sampling Frequency by Scenario (from "frequency") D				Annual Sampling Events by Scenario 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	19,842	41.8%	38.3%	6.1%	13.8%	8,298	7,595	1,210	2,738	0.33	0.22	4.00	1.67	2,738	1,671	4,841
101-500	19,181	41.8%	38.3%	6.1%	13.8%	8,021	7,342	1,170	2,647	0.33	0.22	4.00	1.67	2,647	1,615	4,680	4,420	13,363
501-1,000	5,688	41.8%	38.3%	6.1%	13.8%	2,379	2,178	347	785	0.33	0.22	4.00	1.67	785	479	1,388	1,311	3,963
1,001-3,300	5,962	41.8%	38.3%	6.1%	13.8%	2,493	2,282	364	823	0.33	0.22	4.00	1.67	823	502	1,455	1,374	4,153
3,301-10,000	2,684	41.8%	38.3%	6.1%	13.8%	1,122	1,027	164	370	0.33	0.22	4.00	1.67	370	226	655	618	1,870
10,001-50,000	1,288	41.8%	38.3%	6.1%	13.8%	539	493	79	178	0.33	0.22	4.00	1.67	178	108	314	297	897
50,001-100,000	149	41.8%	38.3%	6.1%	13.8%	62	57	9	21	0.33	0.22	4.00	1.67	21	13	36	34	104
100,001-1,000,000	66	41.8%	38.3%	6.1%	13.8%	28	25	4	9	0.33	0.22	4.00	1.67	9	6	16	15	46
>1,000,000	3	41.8%	38.3%	6.1%	13.8%	1	1	0	0	0.33	0.22	4.00	1.67	0	0	1	1	2
Total	54,862					22,943	21,001	3,347	7,571					7,571	4,620	13,386	12,643	38,221

Phase V VOCs Surface Water Systems, CWSs & NTCWSs																		
Size Category	# of Affected Systems (from C of "systems") A	Percent of Systems by Scenario (from "% by scenario") B				Number of Systems by Scenario C=A*B				Annual Sampling Frequency by Scenario (from "frequency") D				Annual Sampling Events by Scenario 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	536	46.4%	12.5%	8.2%	32.9%	249	67	44	176	1.00	0.33	4.00	2.33	249	22	176
101-500	796	46.4%	12.5%	8.2%	32.9%	369	100	65	262	1.00	0.33	4.00	2.33	369	33	261	610	1,274
501-1,000	398	46.4%	12.5%	8.2%	32.9%	185	50	33	131	1.00	0.33	4.00	2.33	185	16	131	305	637
1,001-3,300	983	46.4%	12.5%	8.2%	32.9%	456	123	81	323	1.00	0.33	4.00	2.33	456	41	322	754	1,573
3,301-10,000	1,017	46.4%	12.5%	8.2%	32.9%	472	127	83	335	1.00	0.33	4.00	2.33	472	42	334	780	1,627
10,001-50,000	976	46.4%	12.5%	8.2%	32.9%	453	122	80	321	1.00	0.33	4.00	2.33	453	40	320	748	1,561
50,001-100,000	224	46.4%	12.5%	8.2%	32.9%	104	28	18	74	1.00	0.33	4.00	2.33	104	9	73	172	358
100,001-1,000,000	237	46.4%	12.5%	8.2%	32.9%	110	30	19	78	1.00	0.33	4.00	2.33	110	10	78	182	379
>1,000,000	17	46.4%	12.5%	8.2%	32.9%	8	2	1	6	1.00	0.33	4.00	2.33	8	1	6	13	27
Total	5,185					2,405	649	425	1,706					2,405	214	1,701	3,975	8,295

Phase V VOCs:																			
GRAND TOTAL	60,047					25,349	21,650	3,772	9,277					9,977	4,834	15,087	16,618	46,516	

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")	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	13,823	1.05	14,452	0.0	-	\$0	\$0
101-500	13,363	1.11	14,834	0.0	-	\$0	\$0
501-1,000	3,963	1.29	5,116	0.0	-	\$0	\$0
1,001-3,300	4,153	1.43	5,930	0.0	-	\$0	\$0
3,301-10,000	1,870	1.60	2,985	0.0	-	\$0	\$0
10,001-50,000	897	3.53	3,172	0.0	-	\$0	\$0
50,001-100,000	104	9.42	977	0.0	-	\$0	\$0
100,001-1,000,000	46	12.56	577	0.0	-	\$0	\$0
>1,000,000	2	12.56	26	0.0	-	\$0	\$0
Total	38,221		48,071		-		\$0

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")	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	858	1.04	890	0.0	-	\$0	\$0
101-500	1,274	1.06	1,352	0.0	-	\$0	\$0
501-1,000	637	1.16	739	0.0	-	\$0	\$0
1,001-3,300	1,573	1.14	1,794	0.0	-	\$0	\$0
3,301-10,000	1,627	1.13	1,839	0.0	-	\$0	\$0
10,001-50,000	1,561	1.58	2,462	0.0	-	\$0	\$0
50,001-100,000	358	1.98	710	0.0	-	\$0	\$0
100,001-1,000,000	379	3.30	1,251	0.0	-	\$0	\$0
>1,000,000	27	3.30	90	0.0	-	\$0	\$0
Total	8,295		11,126		-		\$0

Phase V VOCs							
GRAND TOTAL	46,516		59,197		-		\$0

Note: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

Exhibit 46 - Phase V IOCs, Part 1

Phase V IOCs, except sulfate 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				
		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	19,842	76.7%	19.1%	4.2%	-	15,211	3,798	833	-	0.33	0.11	4.00	-	5,019	418	3,333	-	8,771
101-500	19,181	76.7%	19.1%	4.2%	-	14,704	3,671	806	-	0.33	0.11	4.00	-	4,852	404	3,222	-	8,478
501-1,000	5,688	76.7%	19.1%	4.2%	-	4,361	1,089	239	-	0.33	0.11	4.00	-	1,439	120	956	-	2,514
1,001-3,300	5,962	76.7%	19.1%	4.2%	-	4,570	1,141	250	-	0.33	0.11	4.00	-	1,508	126	1,002	-	2,635
3,301-10,000	2,684	76.7%	19.1%	4.2%	-	2,057	514	113	-	0.33	0.11	4.00	-	679	57	451	-	1,186
10,001-50,000	1,288	76.7%	19.1%	4.2%	-	987	247	54	-	0.33	0.11	4.00	-	326	27	216	-	569
50,001-100,000	149	76.7%	19.1%	4.2%	-	114	29	6	-	0.33	0.11	4.00	-	38	3	25	-	66
100,001-1,000,000	66	76.7%	19.1%	4.2%	-	51	13	3	-	0.33	0.11	4.00	-	17	1	11	-	29
>1,000,000	3	76.7%	19.1%	4.2%	-	2	1	0	-	0.33	0.11	4.00	-	1	0	1	-	1
Total	54,862					42,057	10,501	2,304	-					13,879	1,155	9,217	-	24,251

Phase V IOCs, except sulfate 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				
		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	536	88.8%	8.7%	2.5%	-	477	46	13	-	1.00	0.11	4.00	-	477	5	54	-	535
101-500	796	88.8%	8.7%	2.5%	-	707	69	20	-	1.00	0.11	4.00	-	707	8	80	-	795
501-1,000	398	88.8%	8.7%	2.5%	-	354	34	10	-	1.00	0.11	4.00	-	354	4	40	-	397
1,001-3,300	983	88.8%	8.7%	2.5%	-	873	85	25	-	1.00	0.11	4.00	-	873	9	98	-	981
3,301-10,000	1,017	88.8%	8.7%	2.5%	-	904	88	25	-	1.00	0.11	4.00	-	904	10	102	-	1,015
10,001-50,000	976	88.8%	8.7%	2.5%	-	867	85	24	-	1.00	0.11	4.00	-	867	9	98	-	974
50,001-100,000	224	88.8%	8.7%	2.5%	-	199	19	6	-	1.00	0.11	4.00	-	199	2	22	-	224
100,001-1,000,000	237	88.8%	8.7%	2.5%	-	211	21	6	-	1.00	0.11	4.00	-	211	2	24	-	237
>1,000,000	17	88.8%	8.7%	2.5%	-	15	1	0	-	1.00	0.11	4.00	-	15	0	2	-	17
Total	5,185					4,607	449	130	-					4,607	49	519	-	5,175

Phase V IOCs, except sulfate:																		
GRAND TOTAL	60,047					46,663	10,950	2,434	-					18,485	1,204	9,735	-	29,425

Exhibit 47 - Phase V IOCs, Part 2

Phase V IOCs, except sulfate (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	8,771	1.05	9,170	0.5	4,585	\$30	\$276,749
101-500	8,478	1.11	9,412	0.5	4,706	\$30	\$284,061
501-1,000	2,514	1.29	3,246	0.5	1,623	\$30	\$97,973
1,001-3,300	2,635	1.43	3,762	0.5	1,881	\$30	\$113,552
3,301-10,000	1,186	1.60	1,894	0.5	947	\$30	\$57,160
10,001-50,000	569	3.53	2,012	0.5	1,006	\$30	\$60,732
50,001-100,000	66	9.42	620	0.5	310	\$30	\$18,717
100,001-1,000,000	29	12.56	366	0.5	183	\$30	\$11,058
>1,000,000	1	12.56	17	0.5	8	\$30	\$503
Total	24,251		30,500		15,250		\$920,505

Phase V IOCs, except sulfate (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	535	1.04	555	0.5	278	\$30	\$16,760
101-500	795	1.06	843	0.5	422	\$30	\$25,445
501-1,000	397	1.16	461	0.5	230	\$30	\$13,913
1,001-3,300	981	1.14	1,119	0.5	559	\$30	\$33,769
3,301-10,000	1,015	1.13	1,147	0.5	574	\$30	\$34,630
10,001-50,000	974	1.58	1,536	0.5	768	\$30	\$46,348
50,001-100,000	224	1.98	443	0.5	222	\$30	\$13,370
100,001-1,000,000	237	3.30	780	0.5	390	\$30	\$23,548
>1,000,000	17	3.30	56	0.5	28	\$30	\$1,689
Total	5,175		6,941		3,470		\$209,472

Phase V IOCs, except sulfate							
GRAND TOTAL	29,425		37,440		18,720		\$1,129,976

Note: Burden estimates take into account the results of the August 2011 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					
		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	19,842	14.4%	84.8%	0.0%	0.8%	2,860	16,823	-	159	0.33	-	4.00	1.67	944	-	-	265	1,209	
101-500	19,181	14.4%	84.8%	0.0%	0.8%	2,765	16,263	-	153	0.33	-	4.00	1.67	912	-	-	256	1,169	
501-1,000	5,688	14.4%	84.8%	0.0%	0.8%	820	4,823	-	46	0.33	-	4.00	1.67	271	-	-	76	347	
1,001-3,300	5,962	14.4%	84.8%	0.0%	0.8%	859	5,055	-	48	0.33	-	4.00	1.67	284	-	-	80	363	
3,301-10,000	2,684	14.4%	84.8%	0.0%	0.8%	387	2,275	-	21	0.67	-	4.00	1.67	259	-	-	36	295	
10,001-50,000	1,288	14.4%	84.8%	0.0%	0.8%	186	1,092	-	10	0.67	-	4.00	1.67	124	-	-	17	142	
50,001-100,000	149	14.4%	84.8%	0.0%	0.8%	21	126	-	1	0.67	-	4.00	1.67	14	-	-	2	16	
100,001-1,000,000	66	14.4%	84.8%	0.0%	0.8%	10	56	-	1	0.67	-	4.00	1.67	6	-	-	1	7	
>1,000,000	3	14.4%	84.8%	0.0%	0.8%	0	3	-	0	0.67	-	4.00	1.67	0	-	-	0	0	
Total	54,862					7,908	46,515	-	439					2,815	-	-	733	3,548	

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					
		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	536	41.2%	55.3%	0.0%	3.5%	221	297	-	19	0.33	-	4.00	2.33	73	-	-	44	117	
101-500	796	41.2%	55.3%	0.0%	3.5%	328	440	-	28	0.33	-	4.00	2.33	108	-	-	65	173	
501-1,000	398	41.2%	55.3%	0.0%	3.5%	164	220	-	14	0.33	-	4.00	2.33	54	-	-	32	87	
1,001-3,300	983	41.2%	55.3%	0.0%	3.5%	405	544	-	34	0.33	-	4.00	2.33	134	-	-	80	214	
3,301-10,000	1,017	41.2%	55.3%	0.0%	3.5%	419	563	-	36	0.67	-	4.00	2.33	281	-	-	83	364	
10,001-50,000	976	41.2%	55.3%	0.0%	3.5%	402	540	-	34	0.67	-	4.00	2.33	269	-	-	80	349	
50,001-100,000	224	41.2%	55.3%	0.0%	3.5%	92	124	-	8	0.67	-	4.00	2.33	62	-	-	18	80	
100,001-1,000,000	237	41.2%	55.3%	0.0%	3.5%	98	131	-	8	0.67	-	4.00	2.33	65	-	-	19	85	
>1,000,000	17	41.2%	55.3%	0.0%	3.5%	7	9	-	1	0.67	-	4.00	2.33	5	-	-	1	6	
Total	5,185					2,136	2,868	-	181					1,051	-	-	423	1,474	

Diquat, Endothall, Glyphosate:																			
GRAND TOTAL	60,047					10,043	49,384	-	620					3,866	-	-	1,156	5,021	

Exhibit 49 - Diquat, Part 2

Diquat, Endothall, Glyphosate (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	1,209	1.05	1,264	0.5	632	\$302	\$381,446
101-500	1,169	1.11	1,297	0.5	649	\$302	\$391,524
501-1,000	347	1.29	447	0.5	224	\$302	\$135,037
1,001-3,300	363	1.43	519	0.5	259	\$302	\$156,510
3,301-10,000	295	1.60	471	0.5	236	\$302	\$142,155
10,001-50,000	142	3.53	500	0.5	250	\$302	\$151,038
50,001-100,000	16	9.42	154	0.5	77	\$302	\$46,550
100,001-1,000,000	7	12.56	91	0.5	46	\$302	\$27,501
>1,000,000	0	12.56	4	0.5	2	\$302	\$1,250
Total	3,548		4,748		2,374		\$1,433,012

Diquat, Endothall, Glyphosate (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	117	1.04	121	0.5	61	\$302	\$36,522
101-500	173	1.06	184	0.5	92	\$302	\$55,448
501-1,000	87	1.16	100	0.5	50	\$302	\$30,317
1,001-3,300	214	1.14	244	0.5	122	\$302	\$73,586
3,301-10,000	364	1.13	411	0.5	206	\$302	\$124,058
10,001-50,000	349	1.58	550	0.5	275	\$302	\$166,035
50,001-100,000	80	1.98	159	0.5	79	\$302	\$47,897
100,001-1,000,000	85	3.30	280	0.5	140	\$302	\$84,356
>1,000,000	6	3.30	20	0.5	10	\$302	\$6,051
Total	1,474		2,068		1,034		\$624,269

Diquat, Endothall, Glyphosate							
GRAND TOTAL	5,021		6,817		3,408		\$2,057,281

Note: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

Exhibit 50 - Oxamyl, Part 1

Oxamyl Ground Water Systems, CWSs & NTCWSs																		
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				
		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	19,842	23.1%	76.8%	0.0%	0.1%	4,583	15,239	-	20	0.33	-	4.00	1.67	1,512	-	-	33	1,545
101-500	19,181	23.1%	76.8%	0.0%	0.1%	4,430	14,731	-	19	0.33	-	4.00	1.67	1,462	-	-	32	1,494
501-1,000	5,688	23.1%	76.8%	0.0%	0.1%	1,314	4,369	-	6	0.33	-	4.00	1.67	434	-	-	9	443
1,001-3,300	5,962	23.1%	76.8%	0.0%	0.1%	1,377	4,579	-	6	0.33	-	4.00	1.67	454	-	-	10	464
3,301-10,000	2,684	23.1%	76.8%	0.0%	0.1%	620	2,061	-	3	0.67	-	4.00	1.67	415	-	-	4	420
10,001-50,000	1,288	23.1%	76.8%	0.0%	0.1%	297	989	-	1	0.67	-	4.00	1.67	199	-	-	2	201
50,001-100,000	149	23.1%	76.8%	0.0%	0.1%	34	114	-	0	0.67	-	4.00	1.67	23	-	-	0	23
100,001-1,000,000	66	23.1%	76.8%	0.0%	0.1%	15	51	-	0	0.67	-	4.00	1.67	10	-	-	0	10
>1,000,000	3	23.1%	76.8%	0.0%	0.1%	1	2	-	0	0.67	-	4.00	1.67	0	-	-	0	0
Total	54,862					12,671	42,136	-	55					4,511	-	-	92	4,602

Oxamyl Surface Water Systems, CWSs & NTCWSs																		
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				
		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	536	64.7%	35.3%	0.0%	0.0%	347	189	-	-	0.33	-	4.00	2.33	115	-	-	-	115
101-500	796	64.7%	35.3%	0.0%	0.0%	515	281	-	-	0.33	-	4.00	2.33	170	-	-	-	170
501-1,000	398	64.7%	35.3%	0.0%	0.0%	258	140	-	-	0.33	-	4.00	2.33	85	-	-	-	85
1,001-3,300	983	64.7%	35.3%	0.0%	0.0%	636	347	-	-	0.33	-	4.00	2.33	210	-	-	-	210
3,301-10,000	1,017	64.7%	35.3%	0.0%	0.0%	658	359	-	-	0.67	-	4.00	2.33	441	-	-	-	441
10,001-50,000	976	64.7%	35.3%	0.0%	0.0%	632	344	-	-	0.67	-	4.00	2.33	423	-	-	-	423
50,001-100,000	224	64.7%	35.3%	0.0%	0.0%	145	79	-	-	0.67	-	4.00	2.33	97	-	-	-	97
100,001-1,000,000	237	64.7%	35.3%	0.0%	0.0%	153	84	-	-	0.67	-	4.00	2.33	103	-	-	-	103
>1,000,000	17	64.7%	35.3%	0.0%	0.0%	11	6	-	-	0.67	-	4.00	2.33	7	-	-	-	7
Total	5,185					3,356	1,829	-	-					1,651	-	-	-	1,651

Oxamyl:																		
GRAND TOTAL	60,047					16,027	43,965	-	55					6,162	-	-	92	6,253

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")	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	1,545	1.05	1,616	0.0	-	\$0	\$0
101-500	1,494	1.11	1,658	0.0	-	\$0	\$0
501-1,000	443	1.29	572	0.0	-	\$0	\$0
1,001-3,300	464	1.43	663	0.0	-	\$0	\$0
3,301-10,000	420	1.60	670	0.0	-	\$0	\$0
10,001-50,000	201	3.53	712	0.0	-	\$0	\$0
50,001-100,000	23	9.42	219	0.0	-	\$0	\$0
100,001-1,000,000	10	12.56	130	0.0	-	\$0	\$0
>1,000,000	0	12.56	6	0.0	-	\$0	\$0
Total	4,602		6,247		-		\$0

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")	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	115	1.04	119	0.0	-	\$0	\$0
101-500	170	1.06	180	0.0	-	\$0	\$0
501-1,000	85	1.16	99	0.0	-	\$0	\$0
1,001-3,300	210	1.14	239	0.0	-	\$0	\$0
3,301-10,000	441	1.13	499	0.0	-	\$0	\$0
10,001-50,000	423	1.58	667	0.0	-	\$0	\$0
50,001-100,000	97	1.98	192	0.0	-	\$0	\$0
100,001-1,000,000	103	3.30	339	0.0	-	\$0	\$0
>1,000,000	7	3.30	24	0.0	-	\$0	\$0
Total	1,651		2,359		-		\$0

Oxamyl							
GRAND TOTAL	6,253		8,606		-		\$0

Note: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

Exhibit 52 - Dinoseb, Part 1

Dinoseb Ground Water Systems, CWSs & NTCWSs																		
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				
		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	19,842	22.3%	77.3%	0.0%	0.4%	4,431	15,332	-	79	0.33	-	4.00	1.67	1,462	-	-	133	1,595
101-500	19,181	22.3%	77.3%	0.0%	0.4%	4,283	14,821	-	77	0.33	-	4.00	1.67	1,413	-	-	128	1,542
501-1,000	5,688	22.3%	77.3%	0.0%	0.4%	1,270	4,395	-	23	0.33	-	4.00	1.67	419	-	-	38	457
1,001-3,300	5,962	22.3%	77.3%	0.0%	0.4%	1,331	4,606	-	24	0.33	-	4.00	1.67	439	-	-	40	479
3,301-10,000	2,684	22.3%	77.3%	0.0%	0.4%	599	2,074	-	11	0.67	-	4.00	1.67	401	-	-	18	419
10,001-50,000	1,288	22.3%	77.3%	0.0%	0.4%	288	995	-	5	0.67	-	4.00	1.67	193	-	-	9	201
50,001-100,000	149	22.3%	77.3%	0.0%	0.4%	33	115	-	1	0.67	-	4.00	1.67	22	-	-	1	23
100,001-1,000,000	66	22.3%	77.3%	0.0%	0.4%	15	51	-	0	0.67	-	4.00	1.67	10	-	-	0	10
>1,000,000	3	22.3%	77.3%	0.0%	0.4%	1	2	-	0	0.67	-	4.00	1.67	0	-	-	0	0
Total	54,862					12,251	42,392	-	219					4,361	-	-	366	4,727

Dinoseb Surface Water Systems, CWSs & NTCWSs																		
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				
		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	536	61.0%	36.5%	0.0%	2.5%	327	196	-	13	0.33	-	4.00	2.33	108	-	-	31	139
101-500	796	61.0%	36.5%	0.0%	2.5%	485	291	-	20	0.33	-	4.00	2.33	160	-	-	46	207
501-1,000	398	61.0%	36.5%	0.0%	2.5%	243	145	-	10	0.33	-	4.00	2.33	80	-	-	23	103
1,001-3,300	983	61.0%	36.5%	0.0%	2.5%	599	359	-	25	0.33	-	4.00	2.33	198	-	-	57	255
3,301-10,000	1,017	61.0%	36.5%	0.0%	2.5%	620	372	-	25	0.67	-	4.00	2.33	415	-	-	59	475
10,001-50,000	976	61.0%	36.5%	0.0%	2.5%	595	357	-	24	0.67	-	4.00	2.33	399	-	-	57	455
50,001-100,000	224	61.0%	36.5%	0.0%	2.5%	137	82	-	6	0.67	-	4.00	2.33	91	-	-	13	105
100,001-1,000,000	237	61.0%	36.5%	0.0%	2.5%	144	87	-	6	0.67	-	4.00	2.33	97	-	-	14	111
>1,000,000	17	61.0%	36.5%	0.0%	2.5%	10	6	-	0	0.67	-	4.00	2.33	7	-	-	1	8
Total	5,185					3,161	1,895	-	130					1,555	-	-	302	1,857

Dinoseb:																		
GRAND TOTAL	60,047					15,412	44,287	-	349					5,916	-	-	669	6,585

Exhibit 53 - Dinoseb, Part 2

Dinoseb (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	1,595	1.05	1,667	0.0	-	\$0	\$0
101-500	1,542	1.11	1,711	0.0	-	\$0	\$0
501-1,000	457	1.29	590	0.0	-	\$0	\$0
1,001-3,300	479	1.43	684	0.0	-	\$0	\$0
3,301-10,000	419	1.60	670	0.0	-	\$0	\$0
10,001-50,000	201	3.53	711	0.0	-	\$0	\$0
50,001-100,000	23	9.42	219	0.0	-	\$0	\$0
100,001-1,000,000	10	12.56	130	0.0	-	\$0	\$0
>1,000,000	0	12.56	6	0.0	-	\$0	\$0
Total	4,727		6,389		-		\$0

Dinoseb (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	139	1.04	144	0.0	-	\$0	\$0
101-500	207	1.06	219	0.0	-	\$0	\$0
501-1,000	103	1.16	120	0.0	-	\$0	\$0
1,001-3,300	255	1.14	291	0.0	-	\$0	\$0
3,301-10,000	475	1.13	537	0.0	-	\$0	\$0
10,001-50,000	455	1.58	718	0.0	-	\$0	\$0
50,001-100,000	105	1.98	207	0.0	-	\$0	\$0
100,001-1,000,000	111	3.30	365	0.0	-	\$0	\$0
>1,000,000	8	3.30	26	0.0	-	\$0	\$0
Total	1,857		2,627		-		\$0

Dinoseb							
GRAND TOTAL	6,585		9,016		-		\$0

Note: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

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

Endrin, hexachlorobenzene, and hexachlorocyclopentadiene Ground Water Systems, CWSs & NTCWSs																		
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				
		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	19,842	20.0%	79.9%	0.0%	0.1%	3,970	15,852	-	20	0.33	-	4.00	1.67	1,310	-	-	33	1,343
101-500	19,181	20.0%	79.9%	0.0%	0.1%	3,838	15,323	-	19	0.33	-	4.00	1.67	1,267	-	-	32	1,299
501-1,000	5,688	20.0%	79.9%	0.0%	0.1%	1,138	4,544	-	6	0.33	-	4.00	1.67	376	-	-	9	385
1,001-3,300	5,962	20.0%	79.9%	0.0%	0.1%	1,193	4,763	-	6	0.33	-	4.00	1.67	394	-	-	10	404
3,301-10,000	2,684	20.0%	79.9%	0.0%	0.1%	537	2,144	-	3	0.67	-	4.00	1.67	360	-	-	4	364
10,001-50,000	1,288	20.0%	79.9%	0.0%	0.1%	258	1,029	-	1	0.67	-	4.00	1.67	173	-	-	2	175
50,001-100,000	149	20.0%	79.9%	0.0%	0.1%	30	119	-	0	0.67	-	4.00	1.67	20	-	-	0	20
100,001-1,000,000	66	20.0%	79.9%	0.0%	0.1%	13	53	-	0	0.67	-	4.00	1.67	9	-	-	0	9
>1,000,000	3	20.0%	79.9%	0.0%	0.1%	1	2	-	0	0.67	-	4.00	1.67	0	-	-	0	0
Total	54,862					10,978	43,829	-	55					3,908	-	-	92	3,999

Endrin, hexachlorobenzene, and hexachlorocyclopentadiene Surface Water Systems, CWSs & NTCWSs																		
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				
		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	536	52.6%	37.8%	0.6%	9.0%	282	203	3	48	0.33	-	4.00	2.33	93	-	13	112	218
101-500	796	52.6%	37.8%	0.6%	9.0%	419	301	5	72	0.33	-	4.00	2.33	138	-	19	167	324
501-1,000	398	52.6%	37.8%	0.6%	9.0%	209	151	2	36	0.33	-	4.00	2.33	69	-	10	83	162
1,001-3,300	983	52.6%	37.8%	0.6%	9.0%	517	372	6	88	0.33	-	4.00	2.33	171	-	24	206	400
3,301-10,000	1,017	52.6%	37.8%	0.6%	9.0%	535	385	6	92	0.67	-	4.00	2.33	358	-	24	213	596
10,001-50,000	976	52.6%	37.8%	0.6%	9.0%	513	369	6	88	0.67	-	4.00	2.33	344	-	23	205	572
50,001-100,000	224	52.6%	37.8%	0.6%	9.0%	118	85	1	20	0.67	-	4.00	2.33	79	-	5	47	131
100,001-1,000,000	237	52.6%	37.8%	0.6%	9.0%	125	90	1	21	0.67	-	4.00	2.33	84	-	6	50	139
>1,000,000	17	52.6%	37.8%	0.6%	9.0%	9	6	0	2	0.67	-	4.00	2.33	6	-	0	4	10
Total	5,185					2,727	1,960	31	467					1,342	-	124	1,087	2,554

Endrin, hexachlorobenzene, and hexachlorocyclopentadiene:																		
GRAND TOTAL	60,047					13,705	45,790	31	522					5,250	-	124	1,179	6,553

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

Endrin, hexachlorobenzene, and hexachlorocyclopentadiene (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	1,343	1.05	1,404	0.0	0	\$0	\$0
101-500	1,299	1.11	1,442	0.0	0	\$0	\$0
501-1,000	385	1.29	497	0.0	0	\$0	\$0
1,001-3,300	404	1.43	576	0.0	0	\$0	\$0
3,301-10,000	364	1.60	582	0.0	0	\$0	\$0
10,001-50,000	175	3.53	618	0.0	0	\$0	\$0
50,001-100,000	20	9.42	190	0.0	0	\$0	\$0
100,001-1,000,000	9	12.56	113	0.0	0	\$0	\$0
>1,000,000	0	12.56	5	0.0	0	\$0	\$0
Total	3,999		5,427		0		\$0

Endrin, hexachlorobenzene, and hexachlorocyclopentadiene (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	218	1.04	227	0.0	0	\$0	\$0
101-500	324	1.06	344	0.0	0	\$0	\$0
501-1,000	162	1.16	188	0.0	0	\$0	\$0
1,001-3,300	400	1.14	457	0.0	0	\$0	\$0
3,301-10,000	596	1.13	674	0.0	0	\$0	\$0
10,001-50,000	572	1.58	902	0.0	0	\$0	\$0
50,001-100,000	131	1.98	260	0.0	0	\$0	\$0
100,001-1,000,000	139	3.30	458	0.0	0	\$0	\$0
>1,000,000	10	3.30	33	0.0	0	\$0	\$0
Total	2,554		3,542		0		\$0

Endrin, hexachlorobenzene, and hexachlorocyclopentadiene							
GRAND TOTAL							
	6,553		8,970		-		\$0

Note: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

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

Sampling Burden - Per Sample		
Phase II		
2008 Burden	Task	Revised Burden
0.5 hr	Nitrite Sample	0.75 hours

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	51,460	28,896	14,448	\$467,892	\$2,828,496	N/A
Total	51,460	28,896	14,448	\$467,892	\$2,828,496	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	28,896	1,734	\$75,926	N/A	N/A
Total	57	28,896	1,734	\$75,926	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	43.79	\$ 526
Reporting	26	43.79	\$ 1,139
Compliance Tracking and Analysis	22	43.79	\$ 963
Total	60	43.79	\$ 2,628

Note: Burden estimates are carried forward from estimates in the 2000 Radionuclides Rule ICR. Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

**Exhibit 3
GROSS ALPHA MONITORING**

Years:

	2012	2013	2014	3-Yr.Avg
GA<3 SM GF¹				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	-	-	-	-
Systems	27,000	27,000	27,000	27,000
Total Samples	-	-	-	-
Cost per Sample	\$60	\$60	\$60	\$60
Total Cost	\$0	\$0	\$0	\$0
GA<3 LG GF²				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	-	-	-	-
Systems	18,591	18,591	18,591	18,591
Total Samples	0	0	0	-
Cost per Sample	\$60	\$60	\$60	\$60
Total Cost	\$0	\$0	\$0	\$0
3<GA<7.5 SM GF³				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	-	-	-	-
Systems	1,794	1,794	1,794	1,794
Total Samples	-	-	-	-
Cost per Sample	\$60	\$60	\$60	\$60
Total Cost	\$0	\$0	\$0	\$0
3<GA<7.5 LG GF⁴				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	-	-	-	-
Systems	989	989	989	989
Total Samples	-	-	-	-
Cost per Sample	\$60	\$60	\$60	\$60
Total Cost	\$0	\$0	\$0	\$0
7.5<GA<15 SM GF⁵				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	-	1	-	0
Systems	973	973	973	973
Total Samples	-	1,327	-	442
Cost per Sample	\$60	\$60	\$60	\$60
Total Cost	\$0	\$79,866	\$0	\$26,622
7.5<GA<15 LG GF⁶				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	-	1	-	0
Systems	989	989	989	989
Total Samples	-	3,481	-	1,160
Cost per Sample	\$60	\$60	\$60	\$60
Total Cost	\$0	\$209,541	\$0	\$69,847
GA>15 AND AGA<15 SM GF⁷				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	-	-	-	-
Systems	426	426	426	426
Total Samples	-	-	-	-
Cost per Sample	\$60	\$60	\$60	\$60
Total Cost	\$0	\$0	\$0	\$0

**Exhibit 3
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	-	-	-	-
Systems	189	189	189	189
Total Samples	-	-	-	-
Cost per Sample	\$60	\$60	\$60	\$60
Total Cost	\$0	\$0	\$0	\$0
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	243	243	243	243
Total Samples	331	331	331	331
Cost per Sample	\$60	\$60	\$60	\$60
Total Cost	\$19,947	\$19,947	\$19,947	\$19,947
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	266	266	266	266
Total Samples	938	938	938	938
Cost per Sample	\$60	\$60	\$60	\$60
Total Cost	\$56,439	\$56,439	\$56,439	\$56,439
		Years:		
2000 GROSS ALPHA SCENARIO 3	2012	2013	2014	3-Yr.Avg
Systems	51,460	51,460	51,460	51,460
Total Samples	1,269	6,076	1,269	2,871
Collection Burden (0.5 hrs/sample)	634	3,038	634	1,436
Total Cost	\$76,385	\$365,792	\$76,385	\$172,854

Source:

Total number of systems from October 2010 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 \$2010.

Notes:

- ICR period covers January 2012 - December 2014.
- 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:			
	2012	2013	2014	3-Yr.Avg
Not Vulnerable¹				
Sites per System	1.56	1.56	1.56	1.56
Samples per Site	-	-	-	-
Systems	49,401	49,401	49,401	49,401
Total Samples	0	0	0	0
Average Cost per Sample	\$60	\$60	\$60	\$60
Total Cost	\$0	\$0	\$0	\$0
Vulnerable SW > 100,000²				
Sites per System	3.30	3.30	3.30	3.30
Samples per Site	-	-	-	-
Systems	11	11	11	11
Total Samples	0	0	0	0
Average Cost per Sample	\$205	\$205	\$205	\$205
Total Cost	\$0	\$0	\$0	\$0
Vulnerable w/o known contam., GB < 4³				
Sites per System	1.56	1.56	1.56	1.56
Samples per Site	6	6	6	6
Systems	2,048	2,048	2,048	2,048
Total Samples	19,152	19,152	19,152	19,152
Average Cost per Sample	\$88	\$88	\$88	\$88
Total Cost	\$1,678,150	\$1,678,150	\$1,678,150	\$1,678,150
Vulnerable w/o known contam., GB > 4⁴				
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	\$93	\$93	\$93	\$93
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	\$123	\$123	\$123	\$123
Total Cost	\$0	\$0	\$0	\$0
Years:				
2000 GROSS BETA	2012	2013	2014	3-Yr.Avg
Systems	51,460	51,460	51,460	51,460
Total Samples	19,152	19,152	19,152	19,152
Collection Burden (0.5 hrs/sample)	9,576	9,576	9,576	9,576
Total Cost	\$1,678,150	\$1,678,150	\$1,678,150	\$1,678,150

Source:

Total number of systems from October 2010 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 \$2010.

Notes:

- ICR period covers January 2012 - December 2014.
- 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:			
	2012	2013	2014	3-Yr.Avg
GA<5 and RA228<2.5 and CR<1 SM¹				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	-	-	-	-
Systems	22,658	22,658	22,658	22,658
Total Samples	-	-	-	-
Average Cost per Sample	\$ 147.15	\$ 147.15	\$ 147.15	\$ 147.15
Total Cost	\$ -	\$ -	\$ -	\$ -
Discount Rate	1.07	1.14	1.23	
Present Value Cost	\$ -	\$ -	\$ -	\$ -
GA<5 and RA228<2.5 and CR<1 LG²				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	-	-	-	-
Systems	15,524	15,524	15,524	15,524
Total Samples	-	-	-	-
Average Cost per Sample	\$ 147.15	\$ 147.15	\$ 147.15	\$ 147.15
Total Cost	\$ -	\$ -	\$ -	\$ -
Discount Rate	1.07	1.14	1.23	
Present Value Cost	\$ -	\$ -	\$ -	\$ -
GA<5 and RA228<2.5 and 1<CR<2.5 SM³				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	-	-	-	-
Systems	5,409	5,409	5,409	5,409
Total Samples	-	-	-	-
Average Cost per Sample	\$ 147.15	\$ 147.15	\$ 147.15	\$ 147.15
Total Cost	\$ -	\$ -	\$ -	\$ -
Discount Rate	1.07	1.14	1.23	
Present Value Cost	\$ -	\$ -	\$ -	\$ -
GA<5 and RA228<2.5 and 1<CR<2.5 LG⁴				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	-	-	-	-
Systems	3,706	3,706	3,706	3,706
Total Samples	-	-	-	-
Average Cost per Sample	\$ 147.15	\$ 147.15	\$ 147.15	\$ 147.15
Total Cost	\$ -	\$ -	\$ -	\$ -
Discount Rate	1.07	1.14	1.23	
Present Value Cost	\$ -	\$ -	\$ -	\$ -
GA<5 and RA228<2.5 and 2.5<CR<5 SM⁵				
Sites per System	1.36	1.36	1.36	1.36
Sampling Frequency per Site	-	1	-	0
Systems	936	936	936	936
Total Samples	-	1,276	-	425
Average Cost per Sample	\$ 147.15	\$ 147.15	\$ 147.15	\$ 147.15
Total Cost	\$ -	\$ 187,750.92	\$ -	\$ 62,583.64
Discount Rate	1.07	1.14	1.23	
Present Value Cost	\$ -	\$ 164,693.79	\$ -	\$ 54,897.93
GA<5 and RA228<2.5 and 2.5<CR<5 LG⁶				
Sites per System	3.52	3.52	3.52	3.52
Sampling Frequency per Site	-	1	-	0
Systems	641	641	641	641
Total Samples	-	2,256	-	752
Average Cost per Sample	\$ 147.15	\$ 147.15	\$ 147.15	\$ 147.15
Total Cost	\$ -	\$ 331,941.04	\$ -	\$ 110,647.01
Discount Rate	1.07	1.14	1.23	
Present Value Cost	\$ -	\$ 291,176.35	\$ -	\$ 97,058.78

**Exhibit 5
COMBINED RADIUM MONITORING**

GA<5 and RA228<2.5 and CR>5 SM ⁷					
Sites per System		1.36		1.36	1.36
Sampling Frequency per Site		2		2	2
Systems		234		234	234
Total Samples		639		639	639
Average Cost per Sample	\$	133.78	\$	133.78	\$ 133.78
Total Cost	\$	85,429.58	\$	85,429.58	\$ 85,429.58
Discount Rate		1.07		1.14	1.23
Present Value Cost	\$	79,840.73	\$	74,938.23	\$ 69,454.94
GA<5 and RA228<2.5 and CR>5 LG ⁸					
Sites per System		3.52		3.52	3.52
Sampling Frequency per Site		2		2	2
Systems		161		161	161
Total Samples		1,131		1,131	1,131
Average Cost per Sample	\$	133.78	\$	133.78	\$ 133.78
Total Cost	\$	151,338.13	\$	151,338.13	\$ 151,338.13
Discount Rate		1.07		1.14	1.23
Present Value Cost	\$	141,437.50	\$	132,752.75	\$ 123,039.13
GA<5 and RA228>2.5 and CR<1 SM ⁹					
Sites per System		1.36		1.36	1.36
Sampling Frequency per Site		-		-	-
Systems		212		212	212
Total Samples		-		-	-
Average Cost per Sample	\$	147.15	\$	147.15	\$ 147.15
Total Cost	\$	-	\$	-	\$ -
Discount Rate		1.07		1.14	1.23
Present Value Cost	\$	-	\$	-	\$ -
GA<5 and RA228>2.5 and CR<1 LG ¹⁰					
Sites per System		3.52		3.52	3.52
Sampling Frequency per Site		-		-	-
Systems		212		212	212
Total Samples		-		-	-
Average Cost per Sample	\$	147.15	\$	147.15	\$ 147.15
Total Cost	\$	-	\$	-	\$ -
Discount Rate		1.07		1.14	1.23
Present Value Cost	\$	-	\$	-	\$ -
GA<5 and RA228>2.5 and 1<CR<2.5 SM ¹¹					
Sites per System		1.36		1.36	1.36
Sampling Frequency per Site		-		-	-
Systems		50		50	50
Total Samples		-		-	-
Average Cost per Sample	\$	147.15	\$	147.15	\$ 147.15
Total Cost	\$	-	\$	-	\$ -
Discount Rate		1.07		1.14	1.23
Present Value Cost	\$	-	\$	-	\$ -
GA<5 and RA228>2.5 and 1<CR<2.5 LG ¹²					
Sites per System		3.52		3.52	3.52
Sampling Frequency per Site		-		-	-
Systems		50		50	50
Total Samples		-		-	-
Average Cost per Sample	\$	147.15	\$	147.15	\$ 147.15
Total Cost	\$	-	\$	-	\$ -
Discount Rate		1.07		1.14	1.23
Present Value Cost	\$	-	\$	-	\$ -

**Exhibit 5
COMBINED RADIUM MONITORING**

GA<5 and RA228>2.5 and 2.5<CR<5 SM¹³					
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	\$ 147.15	\$	147.15	\$ 147.15	\$ 147.15
Total Cost	\$ -	\$	1,747.42	\$ -	\$ 582.47
Discount Rate	1.07		1.14	1.23	
Present Value Cost	\$ -	\$	1,532.83	\$ -	\$ 510.94
GA<5 and RA228>2.5 and 2.5<CR<5 LG¹⁴					
Sites per System	3.52		3.52	3.52	3.52
Sampling Frequency per Site	-		1	-	0
Systems	9		9	9	9
Total Samples	-		31	-	10
Average Cost per Sample	\$ 147.15	\$	147.15	\$ 147.15	\$ 147.15
Total Cost	\$ -	\$	4,512.79	\$ -	\$ 1,504.26
Discount Rate	1.07		1.14	1.23	
Present Value Cost	\$ -	\$	3,958.59	\$ -	\$ 1,319.53
GA<5 and RA228>2.5 and CR>5 SM¹⁵					
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	\$ 133.78	\$	133.78	\$ 133.78	\$ 133.78
Total Cost	\$ 706.03	\$	706.03	\$ 706.03	\$ 706.03
Discount Rate	1.07		1.14	1.23	
Present Value Cost	\$ 659.84	\$	619.32	\$ 574.01	\$ 617.72
GA<5 and RA228>2.5 and CR>5 LG¹⁶					
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	14		14	14	14
Average Cost per Sample	\$ 133.78	\$	133.78	\$ 133.78	\$ 133.78
Total Cost	\$ 1,823.35	\$	1,823.35	\$ 1,823.35	\$ 1,823.35
Discount Rate	1.07		1.14	1.23	
Present Value Cost	\$ 1,704.07	\$	1,599.43	\$ 1,482.40	\$ 1,595.30
GA>5 and CR<1 w/GF SM¹⁷					
Sites per System	1.36		1.36	1.36	1.36
Sampling Frequency per Site	-		-	-	-
Systems	243		243	243	243
Total Samples	-		-	-	-
Average Cost per Sample	\$ 133.78	\$	133.78	\$ 133.78	\$ 133.78
Total Cost	\$ -	\$	-	\$ -	\$ -
Discount Rate	1.07		1.14	1.23	
Present Value Cost	\$ -	\$	-	\$ -	\$ -
GA>5 and CR<1 w/GF LG¹⁸					
Sites per System	3.52		3.52	3.52	3.52
Sampling Frequency per Site	-		-	-	-
Systems	273		273	273	273
Total Samples	-		-	-	-
Average Cost per Sample	\$ 133.78	\$	133.78	\$ 133.78	\$ 133.78
Total Cost	\$ -	\$	-	\$ -	\$ -
Discount Rate	1.07		1.14	1.23	
Present Value Cost	\$ -	\$	-	\$ -	\$ -

**Exhibit 5
COMBINED RADIUM MONITORING**

GA>5 and 1<CR<2.5 w/GF SM¹⁹				
Sites per System	1.36		1.36	1.36
Sampling Frequency per Site	-		-	-
Systems	152		152	152
Total Samples	-		-	-
Average Cost per Sample	\$ 133.78	\$	\$ 133.78	\$ 133.78
Total Cost	\$ -	\$	\$ -	\$ -
Discount Rate	1.07		1.14	1.23
Present Value Cost	\$ -	\$	\$ -	\$ -
GA>5 and 1<CR<2.5 w/GF LG²⁰				
Sites per System	3.52		3.52	3.52
Sampling Frequency per Site	-		-	-
Systems	189		189	189
Total Samples	-		-	-
Average Cost per Sample	\$ 133.78	\$	\$ 133.78	\$ 133.78
Total Cost	\$ -	\$	\$ -	\$ -
Discount Rate	1.07		1.14	1.23
Present Value Cost	\$ -	\$	\$ -	\$ -
GA>5 and 2.5<CR<5 w/GF SM²¹				
Sites per System	1.36		1.36	1.36
Sampling Frequency per Site	-		2	1
Systems	91		91	91
Total Samples	-		248	83
Average Cost per Sample	\$ 133.78	\$	\$ 133.78	\$ 133.78
Total Cost	\$ -	\$	\$ 33,183.39	\$ 11,061.13
Discount Rate	1.07		1.14	1.23
Present Value Cost	\$ -	\$	\$ 29,108.24	\$ 9,702.75
GA>5 and 2.5<CR<5 w/GF LG²²				
Sites per System	3.52		3.52	3.52
Sampling Frequency per Site	-		2	1
Systems	84		84	84
Total Samples	-		593	198
Average Cost per Sample	\$ 133.78	\$	\$ 133.78	\$ 133.78
Total Cost	\$ -	\$	\$ 79,315.77	\$ 26,438.59
Discount Rate	1.07		1.14	1.23
Present Value Cost	\$ -	\$	\$ 69,575.23	\$ 23,191.74
GA>5 and CR>5 SM²³				
Sites per System	1.36		1.36	1.36
Sampling Frequency per Site	2		2	2
Systems	426		426	426
Total Samples	1,161		1,161	1,161
Average Cost per Sample	\$ 133.78	\$	\$ 133.78	\$ 133.78
Total Cost	\$ 155,326.51	\$	\$ 155,326.51	\$ 155,326.51
Discount Rate	1.07		1.14	1.23
Present Value Cost	\$ 145,164.96	\$	\$ 136,251.32	\$ 126,281.72
GA>5 and CR>5 LG²⁴				
Sites per System	3.52		3.52	3.52
Sampling Frequency per Site	2		2	2
Systems	189		189	189
Total Samples	1,329		1,329	1,329
Average Cost per Sample	\$134		\$134	\$134
Total Cost	\$177,777		\$177,777	\$177,777
Discount Rate	1.07		1.14	1.23
Present Value Cost	166,146		155,944	144,534

**Exhibit 5
COMBINED RADIUM MONITORING**

2000 COMBINED RADIUMS SCENARIO 2	Years:			
	2012	2013	2014	3-Yr.Avg
Sites per System				
Sampling Frequency per Site				
Systems	51,460	51,460	51,460	51,460
Total Samples	4,279	8,694	4,279	5,750
Collection Burden (0.5 hrs/sample)	2,139	4,347	2,139	2,875
Total Cost	\$572,400	\$1,210,852	\$572,400	\$785,217
Discount Rate	1.07	1.14	1.23	
Present Value Cost	534,954	1,062,151	465,366	687,490

Source:

Total number of systems from October 2010 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 \$2010.

Notes:

ICR period covers January 2012 - December 2014.

- 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:			
	2012	2013	2014	3-Yr.Avg
GA>15 AND U<30 with GF¹				
Sites per System	1.56	1.56	1.56	1.56
Sampling Frequency per Site	-	-	1	0
Systems	295	295	295	295
Total Samples	0	0	461	154
Cost per Sample	\$171	\$171	\$171	\$171
Total Cost	\$0	\$0	\$78,857	\$26,286
GA>15 AND U<30, No GF²				
Sites per System	1.56	1.56	1.56	1.56
Sampling Frequency per Site	1	-	-	0
Systems	244	244	244	244
Total Samples	380	-	-	127
Cost per Sample	\$171	\$171	\$171	\$171
Total Cost	\$65,154	\$0	\$0	\$21,718
GA>15 and U>30³				
Sites per System	1.56	1.56	1.56	1.56
Sampling Frequency per Site	1	1	1	1
Systems	541	541	541	541
Total Samples	843	843	843	843
Cost per Sample	\$171	\$171	\$171	\$171
Total Cost	\$144,270	\$144,270	\$144,270	\$144,270

	Years:			
	2012	2013	2014	3-Yr.Avg
2000 URANIUM SCENARIO 2				
Systems	1,080	1,080	1,080	1,080
Total Samples	1,223	843	1,303	1,123
Collection Burden (0.5 hrs/sample)	612	421	652	561
Total Cost	\$209,425	\$144,270	\$223,128	\$192,274

Source:

Total number of systems from October 2010 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 \$2010.

Notes:

ICR period covers January 2012 - December 2014.
 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 August 2011 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	14,375	1,827,435	152,286	\$4,931,637	\$48,893,634	N/A
Entry Point Residuals - Filtered Systems	14,360	7,016,136	885,631	\$28,680,283	\$1,154,985	\$4,972,255
Entry Point Residuals - Unfiltered Systems	15	8,036	1,339	\$43,376	\$6,251	\$11,435
Total	14,375	8,851,607	1,039,257	\$33,655,296	\$50,054,870	\$4,983,690

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	172,504	150,462	\$6,589,033	N/A	N/A
Total	57	172,504	150,462	\$6,589,033	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 - Number of Routine TCR Samples Taken per Month by 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	
		Systems	Samples	Systems	Samples	Systems	Samples	Systems	Samples
	A	B	C=B*A	D	E=D*A	F	G=F*A	H=B+D+F	I=C+E+G
≤500	1	3,136	3,136	521	521	1,845	1,845	5,502	5502
501-1k	1	1,173	1,173	86	86	86	86	1,345	1345
1,001-2.5K	2	1,897	3,795	62	124	51	102	2,010	4021
2,501-3.3K	3	630	1,890	13	39	13	39	656	1968
3,301-4.1K	4	446	1,784	5	20	5	20	456	1824
4,101-4.9K	5	332	1,660	2	10	3	15	337	1685
4,901-5.8K	6	344	2,064	10	60	6	36	360	2160
5,801-6.7K	7	277	1,942	3	21	5	35	285	1998
6,701-7.6K	8	215	1,720	4	32	0	0	219	1752
7,601-8.5K	9	205	1,845	3	27	1	9	209	1881
8,501-10k	10	324	3,240	2	20	3	30	329	3290
10,001-12.9k	10	362	3,620	3	30	0	0	365	3650
12,901-17.2K	15	434	6,510	1	15	1	15	436	6540
17,201-21.5K	20	290	5,800	0	0	0	0	290	5800
21,501-25K	25	177	4,425	0	0	0	0	177	4425
25,001-33K	30	285	8,550	1	30	1	30	287	8610
33,001-41K	40	225	9,000	0	0	0	0	225	9000
41,001-50K	50	147	7,350	1	50	0	0	148	7400
50,001-59K	60	120	7,200	0	0	0	0	120	7200
59,001-70K	70	105	7,350	0	0	0	0	105	7350
70,001-83K	80	77	6,160	1	80	0	0	78	6240
83,001-96K	90	70	6,300	0	0	0	0	70	6300
96,001-130K	100	107	10,700	0	0	0	0	107	10700
130,001-220K	120	118	14,160	1	120	0	0	119	14280
220,001-320K	150	59	8,850	0	0	0	0	59	8850
320,001-450K	180	24	4,320	0	0	0	0	24	4320
450,001-600K	210	13	2,730	0	0	0	0	13	2730
600,001-780K	240	15	3,600	0	0	0	0	15	3600
780,001-970K	270	7	1,890	0	0	0	0	7	1890
970,001-1,230K	300	4	1,200	0	0	0	0	4	1200
1,230,001-1,520K	330	6	1,980	0	0	0	0	6	1980
1,520,001-1,850K	360	4	1,440	0	0	0	0	4	1440
1,850,001-2,270K	390	0	0	0	0	1	390	1	390
2,270,001-3,020K	420	3	1,260	0	0	0	0	3	1260
3,020,001-3,960K	450	1	450	0	0	0	0	1	450
Over 3,960K	480	2	960	0	0	0	0	2	960
		11,635	150,054	719	1,286	2,021	2,652	14,376	153,992

Source: Number of PWSs from SDWIS October 2010.

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	983	257	1,347	1	0	3	982	257	1,344
101-500	2,153	264	498	4	0	0	2,149	264	498
501-1000	1,173	86	86	2	0	0	1,171	86	86
1,001-3,300	2,527	75	64	1	0	0	2,526	75	64
3,301-10K	2,143	29	23	0	0	0	2,143	29	23
10,001-50K	1,920	6	2	5	0	0	1,915	6	2
50,001-100K	392	1	0	1	0	0	391	1	0
100,001-1M	325	1	0	0	0	0	325	1	0
>1M	18	0	1	1	0	0	17	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	997	257	1,344	1	0	3
101-500	1.1	1.0	1.0	2,268	264	498	4	0	0
501-1,000	1.0	1.0	1.0	1,207	86	86	2	0	0
1,001-3,300	1.0	1.0	1.0	2,526	75	64	1	0	0
3,301-10K	1.1	1.0	1.0	2,291	29	23	0	0	0
10,001-50K	1.1	1.0	1.0	2,070	6	2	5	0	0
50,001-100K	1.3	1.0	1.0	527	1	0	1	0	0
100,001-1M	1.7	1.0	1.0	548	1	0	0	0	0
>1M	1.7	1.0	1.0	29	0	1	2	0	0

Source: Number of systems from SDWIS/FED data from October 2010. 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 pts: 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 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 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	\$32.38	4,309	607	1,931	12	1	\$27	\$321	6,847	\$221,745	\$2,198,442
1,001-3,300	\$32.38	2,527	75	64	27	2	\$27	\$721	5,989	\$193,948	\$1,922,854
3,301-10K	\$32.38	2,143	29	23	80	7	\$27	\$2,134	14,590	\$472,485	\$4,684,351
10,001-50K	\$32.38	1,920	6	2	283	24	\$27	\$7,564	45,425	\$1,471,043	\$14,584,334
50,001-100K	\$32.38	392	1	0	872	73	\$27	\$23,318	28,543	\$924,322	\$9,163,986
100,001-1M	\$32.38	325	1	0	1,618	135	\$27	\$43,278	43,944	\$1,423,072	\$14,108,730
>1M	\$32.38	18	0	1	4,389	366	\$27	\$117,418	6,949	\$225,023	\$2,230,936
Total		11,635	719	2,021					152,286	\$4,931,637	\$48,893,634

Source: Burden estimates based on previous DBP/Chem ICR. Burden estimates take into account results of August 2011 consultations with water industry representatives. O&M costs based on figures from the Stage 1 DBPR ICR, inflated to 2010 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 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	\$32.38	3,266	521	1,842	50%	365	365	33	61	265,394	\$8,594,523
501-1,000	\$32.38	1,207	86	86	50%	365	730	33	122	106,934	\$3,462,963
1,001-2,500	\$32.38	1,263	38	32	50%	365	1,095	33	183	143,909	\$4,660,354
2,501-3,300	\$32.38	1,263	38	32	50%	365	1,460	33	243	184,447	\$5,973,129
3,301-10K	\$32.38	2,291	29	23	100%	365	N/A	33	N/A	78,391	\$2,538,603
10,001-50K	\$32.38	2,070	6	2	100%	365	N/A	33	N/A	69,521	\$2,251,353
50,001-100K	\$32.38	527	1	0	100%	365	N/A	33	N/A	17,678	\$572,472
100,001-1M	\$32.38	548	1	0	100%	365	N/A	33	N/A	18,366	\$594,750
>1M	\$32.38	29	0	1	100%	365	N/A	33	N/A	992	\$32,137
Total		12,463	719	2,018						885,631	\$28,680,283

Source: Burden estimates based on previous DDBP/Chem/Rads ICR. Burden estimates take into account results of August 2011 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 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	3,266	521	1,842	50%	365	365	\$0.16	\$0.16	\$169,118	\$169,118	\$3,181	\$380	\$1,279,012	\$152,748
501-1000	1,207	86	86	50%	365	730	\$0.16	\$0.16	\$41,420	\$82,839	\$3,181	\$380	\$313,251	\$37,411
1,001-2,500	1,263	38	32	50%	365	1095	\$0.16	\$0.16	\$40,040	\$120,119	\$3,181	\$380	\$302,813	\$36,164
2,501-3,300	1,263	38	32	50%	365	1460	\$0.16	\$0.16	\$40,040	\$160,158	\$3,181	\$380	\$302,813	\$36,164
3,301-10K	2,291	29	23	100%	365	N/A	\$0.16	\$0.16	\$140,777	N/A	\$3,181	N/A	\$1,064,673	N/A
10,001-50K	2,070	6	2	100%	365	N/A	\$0.16	\$0.16	\$124,848	N/A	\$3,181	N/A	\$944,203	N/A
50,001-100K	527	1	0	100%	365	N/A	\$0.16	\$0.16	\$31,746	N/A	\$3,181	N/A	\$240,091	N/A
100,001-1M	548	1	0	100%	365	N/A	\$0.16	\$0.16	\$32,982	N/A	\$3,181	N/A	\$249,434	N/A
>1M	29	0	1	100%	365	N/A	\$0.16	\$0.16	\$1,782	N/A	\$3,181	N/A	\$13,478	N/A
Total	12,463	719	2,018						\$622,751	\$532,234			\$4,709,768	\$262,487

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 \$2010

Exhibit 7 - Entry Point Residual Monitoring Burden and Labor Costs (Unfiltered 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	\$32.38	5	0	3	50%	365	365	61	61	501	\$16,230
501-1,000	\$32.38	2	0	0	50%	365	730	61	122	188	\$6,088
1,001-2,500	\$32.38	1	0	0	50%	365	1,095	61	183	61	\$1,970
2,501-3,300	\$32.38	1	0	0	50%	365	1,460	61	243	76	\$2,463
3,301-10K	\$32.38	0	0	0	100%	365	N/A	61	N/A	0	\$0
10,001-50K	\$32.38	5	0	0	100%	365	N/A	61	N/A	329	\$10,646
50,001-100K	\$32.38	1	0	0	100%	365	N/A	61	N/A	82	\$2,657
100,001-1M	\$32.38	0	0	0	100%	365	N/A	61	N/A	0	\$0
>1M	\$32.38	2	0	0	100%	365	N/A	61	N/A	103	\$3,321
Total		17	0	3						1,339	\$43,376

Source: Burden estimates based on previous DBP/Chem ICR. Burden estimates take into account results of August 2011 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.

[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 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	Continuous Monitoring	Grab Sampling
	A	B	C				D	E	F	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
< 500	5	0	3	50%	365	365	\$0.16	\$0.16	\$248	\$248	\$3,181	\$380	\$1,872	\$224		
501-1,000	2	0	0	50%	365	730	\$0.16	\$0.16	\$62	\$124	\$3,181	\$380	\$468	\$56		
1,001-2,500	1	0	0	50%	365	1095	\$0.16	\$0.16	\$15	\$45	\$3,181	\$380	\$114	\$14		
2,501-3,300	1	0	0	50%	365	1460	\$0.16	\$0.16	\$15	\$60	\$3,181	\$380	\$114	\$14		
3,301-10K	0	0	0	100%	365	N/A	\$0.16	\$0.16	\$0	N/A	\$3,181	N/A	\$0	N/A		
10,001-50K	5	0	0	100%	365	N/A	\$0.16	\$0.16	\$325	N/A	\$3,181	N/A	\$2,456	N/A		
50,001-100K	1	0	0	100%	365	N/A	\$0.16	\$0.16	\$81	N/A	\$3,181	N/A	\$613	N/A		
100,001-1M	0	0	0	100%	365	N/A	\$0.16	\$0.16	\$0	N/A	\$3,181	N/A	\$0	N/A		
>1M	2	0	0	100%	365	N/A	\$0.16	\$0.16	\$101	N/A	\$3,181	N/A	\$766	N/A		
Total	17	0	3						\$847	\$476			\$6,402	\$307		

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	Continuous Monitoring	Grab Sampling
	A	B	C				D	E	F	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
< 500	5	0	3	50%	365	365	\$228	\$304	\$939	\$1,252	\$2,039	\$772	\$1,200	\$455		
501-1,000	2	0	0	50%	365	730	\$228	\$304	\$235	\$313	\$2,039	\$772	\$300	\$114		
1,001-2,500	1	0	0	50%	365	1095	\$228	\$304	\$57	\$76	\$2,039	\$772	\$73	\$28		
2,501-3,300	1	0	0	50%	365	1460	\$228	\$304	\$57	\$76	\$2,039	\$772	\$73	\$28		
3,301-10K	0	0	0	100%	365	N/A	\$228	\$304	\$0	N/A	\$2,039	N/A	\$0	N/A		
10,001-50K	5	0	0	100%	365	N/A	\$228	\$304	\$1,232	N/A	\$2,039	N/A	\$1,574	N/A		
50,001-100K	1	0	0	100%	365	N/A	\$228	\$304	\$307	N/A	\$2,039	N/A	\$393	N/A		
100,001-1M	0	0	0	100%	365	N/A	\$228	\$304	\$0	N/A	\$2,039	N/A	\$0	N/A		
>1M	2	0	0	100%	365	N/A	\$228	\$304	\$384	N/A	\$2,039	N/A	\$491	N/A		
Total	17	0	3						\$3,211	\$1,717			\$4,103	\$623		

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 \$2010.

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

No changes in burden estimates based on August 2011 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
Sampling	20,016	20,503	71,761	\$2,323,914	\$1,481,440	N/A
Total	20,016	20,503	71,761	\$2,323,914	\$1,481,440	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
Sampling Recordkeeping	57	18,765	18,765	\$821,764	N/A	N/A
Total	57	18,765	18,765	821,764	N/A	N/A

Exhibit 2 - System Inventory and Average Number of Entry Points

Size Category	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
	GW	SW	GW	SW	GW	SW	GW	SW	GW & SW	GW	SW	GW & SW
0-100	11,324	416	8,518	120	19,842	536	1.1	1.1	1.0	1.0	1.0	1.0
101-500	12,763	645	6,418	151	19,181	796	1.2	1.1	1.0	1.1	1.1	1.0
501-1,000	4,044	348	1,644	50	5,688	398	1.6	1.3	1.0	1.3	1.2	1.0
1,001-3,300	5,212	949	750	34	5,962	983	1.9	1.3	1.0	1.4	1.1	1.0
3,301-10,000	2,585	1,010	99	7	2,684	1,017	2.2	1.3	1.0	1.6	1.1	1.0
10,001-50,000	1,278	975	10	1	1,288	976	3.5	1.6	1.0	3.5	1.6	1.0
50,001-100,000	149	224	-	-	149	224	9.4	2.0	1.0	9.4	2.0	1.0
100,001-1,000,000	66	237	-	-	66	237	12.6	3.3	1.0	12.6	3.3	1.0
>1,000,000	3	17	-	-	3	17	12.6	3.3	1.0	12.6	3.3	1.0
Total	37,423	4,822	17,439	363	54,862	5,185						

Sources:

[A]-[D] SDWIS/FED data from October 2010. 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 assumption.

[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

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)	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
							2012	2013	2014									
							A	B	C									
0-100	\$32.38	11,324	5.33%	11.99%	35.20%	3,987	-	7,671	-	2,557	2.5	1.0	8,950	\$ 289,835	\$ 62.17	\$ 158,979	2,446	2,557
101-500	\$32.38	12,763	5.33%	11.99%	35.20%	4,493	-	9,180	-	3,713	2.5	1.0	12,994	\$ 420,793	\$ 62.17	\$ 230,811	2,757	3,713
501-1,000	\$32.38	4,044	5.33%	11.99%	35.20%	1,424	-	3,383	-	1,368	2.5	1.0	4,789	\$ 155,077	\$ 62.17	\$ 85,062	874	1,368
1,001-3,300	\$32.38	5,212	5.33%	11.99%	35.20%	1,835	-	4,821	-	1,950	2.5	1.0	6,824	\$ 220,997	\$ 62.17	\$ 121,220	1,126	1,950
3,301-10,000	\$32.38	2,585	5.33%	11.99%	35.20%	910	-	2,674	-	1,081	2.5	1.0	3,785	\$ 122,558	\$ 62.17	\$ 67,225	558	1,081
10,001-50,000	\$32.38	1,278	5.33%	11.99%	35.20%	450	-	2,927	-	1,184	2.5	1.0	4,143	\$ 134,154	\$ 62.17	\$ 73,586	276	1,184
50,001-100,000	\$32.38	149	5.33%	11.99%	35.20%	52	-	909	-	368	2.5	1.0	1,287	\$ 41,670	\$ 62.17	\$ 22,857	32	368
100,001-1,000,000	\$32.38	66	5.33%	11.99%	35.20%	23	-	537	-	217	2.5	1.0	760	\$ 24,618	\$ 62.17	\$ 13,503	14	217
>1,000,000	\$32.38	3	5.33%	11.99%	35.20%	1	-	24	-	10	2.5	1.0	35	\$ 1,119	\$ 62.17	\$ 614	1	10
Total		37,423				13,175	-	32,128	-	12,447			43,565	\$ 1,410,823		\$ 773,857	8,083	12,447

Note: Burden estimates take into account the results of the August 2011 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.

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

[J] The ICR period covers January 2012 - December 2014.

[O] Sampling cost (including shipping) based on 2000 Arsenic Rule ICR, updated to \$2010.

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

Surface Water CWSS

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)	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
							2012	2013	2014									
							A	B	C									
0-100	\$32.38	416	1.12%	2.96%	38.82%	162	264	264	264	264	2.5	1.0	925	\$ 29,949	\$ 62.17	\$ 16,427	255	264
101-500	\$32.38	645	1.12%	2.96%	38.82%	250	419	419	419	419	2.5	1.0	1,466	\$ 47,474	\$ 62.17	\$ 26,040	395	419
501-1,000	\$32.38	348	1.12%	2.96%	38.82%	135	247	247	247	247	2.5	1.0	865	\$ 28,011	\$ 62.17	\$ 15,364	213	247
1,001-3,300	\$32.38	949	1.12%	2.96%	38.82%	368	662	662	662	662	2.5	1.0	2,318	\$ 75,060	\$ 62.17	\$ 41,172	581	662
3,301-10,000	\$32.38	1,010	1.12%	2.96%	38.82%	392	699	699	699	699	2.5	1.0	2,445	\$ 79,188	\$ 62.17	\$ 43,436	618	699
10,001-50,000	\$32.38	975	1.12%	2.96%	38.82%	378	941	941	941	941	2.5	1.0	3,292	\$ 106,607	\$ 62.17	\$ 58,476	597	941
50,001-100,000	\$32.38	224	1.12%	2.96%	38.82%	87	272	272	272	272	2.5	1.0	951	\$ 30,785	\$ 62.17	\$ 16,886	137	272
100,001-1,000,000	\$32.38	237	1.12%	2.96%	38.82%	92	478	478	478	478	2.5	1.0	1,674	\$ 54,218	\$ 62.17	\$ 29,740	145	478
>1,000,000	\$32.38	17	1.12%	2.96%	38.82%	7	34	34	34	34	2.5	1.0	120	\$ 3,889	\$ 62.17	\$ 2,133	10	34
Total		4,822				1,872	4,016	4,016	4,016	4,016			14,056	\$ 455,182		\$ 249,674	2,950	4,016

Note: Burden estimates take into account the results of the August 2011 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 2012 - December 2014.

[O] Sampling cost (including shipping) based on 2000 Arsenic Rule ICR, updated to \$2010.

[Q] = [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 (2012-2014)	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
							2012	2013	2014									
	A	B	C	D	E=(1-D)*0.4	F=B*E	G	H	I	J=(G+H+I)/3	K	L	M=(K+L)*J	N=A*M	O	P=J*O	Q	R=J
0-100	\$32.38	8,518	6.14%	14.20%	34.32%	2,923	-	5,594	-	1,865	2.5	1.0	6,527	\$ 211,360	\$ 62.17	\$ 115,934	1,865	1,865
101-500	\$32.38	6,418	6.14%	14.20%	34.32%	2,203	-	4,215	-	1,405	2.5	1.0	4,918	\$ 159,255	\$ 62.17	\$ 87,354	1,405	1,405
501-1,000	\$32.38	1,644	6.14%	14.20%	34.32%	564	-	1,080	-	360	2.5	1.0	1,260	\$ 40,795	\$ 62.17	\$ 22,376	360	360
1,001-3,300	\$32.38	750	6.14%	14.20%	34.32%	257	-	493	-	164	2.5	1.0	575	\$ 18,608	\$ 62.17	\$ 10,207	164	164
3,301-10,000	\$32.38	99	6.14%	14.20%	34.32%	34	-	65	-	22	2.5	1.0	76	\$ 2,457	\$ 62.17	\$ 1,347	22	22
10,001-50,000	\$32.38	10	6.14%	14.20%	34.32%	3	-	7	-	2	2.5	1.0	8	\$ 248	\$ 62.17	\$ 136	2	2
50,001-100,000	\$32.38	0	6.14%	14.20%	34.32%	-	-	-	-	-	2.5	1.0	0	\$ -	\$ 62.17	\$ -	0	0
100,001-1,000,000	\$32.38	0	6.14%	14.20%	34.32%	-	-	-	-	-	2.5	1.0	0	\$ -	\$ 62.17	\$ -	0	0
>1,000,000	\$32.38	0	6.14%	14.20%	34.32%	-	-	-	-	-	2.5	1.0	0	\$ -	\$ 62.17	\$ -	0	0
Total		17,439				5,985	-	11,453	-	3,818			13,362	\$ 432,722		\$ 237,355	3,818	3,818

Note: Burden estimates take into account the results of the August 2011 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.

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

[O] The ICR period covers January 2012 - December 2014.

[Q] Sampling cost (including shipping) based on 2000 Arsenic Rule ICR, updated to \$2010.

[R] = [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)	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
							2012	2013	2014									
	A	B	C	D	E=(1-D)*0.4	F=B*E	G	H	I	J=(G+H+I)/3	K	L	M=(K+L)*J	N=A*M	O	P=J*O	Q	R=J
0-100	\$32.38	120	1.12%	2.96%	38.82%	47	73	73	73	73	2.5	1.0	257	\$ 8,329	\$ 62.17	\$ 4,569	73	73
101-500	\$32.38	151	1.12%	2.96%	38.82%	59	92	92	92	92	2.5	1.0	323	\$ 10,475	\$ 62.17	\$ 5,746	92	92
501-1,000	\$32.38	50	1.12%	2.96%	38.82%	19	31	31	31	31	2.5	1.0	107	\$ 3,467	\$ 62.17	\$ 1,902	31	31
1,001-3,300	\$32.38	34	1.12%	2.96%	38.82%	13	21	21	21	21	2.5	1.0	73	\$ 2,361	\$ 62.17	\$ 1,295	21	21
3,301-10,000	\$32.38	7	1.12%	2.96%	38.82%	3	4	4	4	4	2.5	1.0	15	\$ 485	\$ 62.17	\$ 266	4	4
10,001-50,000	\$32.38	1	1.12%	2.96%	38.82%	0	1	1	1	1	2.5	1.0	2	\$ 69	\$ 62.17	\$ 38	1	1
50,001-100,000	\$32.38	0	1.12%	2.96%	38.82%	-	-	-	-	-	2.5	1.0	0	\$ -	\$ 62.17	\$ -	0	0
100,001-1,000,000	\$32.38	0	1.12%	2.96%	38.82%	-	-	-	-	-	2.5	1.0	0	\$ -	\$ 62.17	\$ -	0	0
>1,000,000	\$32.38	0	1.12%	2.96%	38.82%	-	-	-	-	-	2.5	1.0	0	\$ -	\$ 62.17	\$ -	0	0
Total		363				141	222	222	222	222			778	\$ 25,187		\$ 13,815	222	222

Note: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

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

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 2012 - December 2014.

[O] Sampling cost (including shipping) based on 2000 Arsenic Rule ICR, updated to \$2010.

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

Exhibit 5 - Primacy Agency Burden and Costs

Sampling Recordkeeping

Population Category	Hourly Labor Rate	Average Annual Number of Submitted Sampling Results (2012-2014)	Total Samples by Year			Record-keeping Burden per Sample (hrs)	Average Annual Record-keeping Burden (hrs) (2012-2014)	Average Annual Record-Keeping Labor Cost	O&M Cost per Record	Average Annual O&M Cost	Average Annual Respondents	Average Annual Responses
			2012	2013	2014							
	A	B=(C+D+E)/3	C	D	E	F	G=F*(C+D+E)/3	H=G*A	I	J	K	L=B
0-100	\$43.79	4,760	338	13,603	338	1.0	4,760	\$ 208,433	\$ -	\$ -	57	4,760
101-500	\$43.79	4,976	511	13,907	511	1.0	4,976	\$ 217,928	\$ -	\$ -	57	4,976
501-1,000	\$43.79	1,765	278	4,741	278	1.0	1,765	\$ 77,310	\$ -	\$ -	57	1,765
1,001-3,300	\$43.79	2,454	683	5,997	683	1.0	2,454	\$ 107,482	\$ -	\$ -	57	2,454
3,301-10,000	\$43.79	1,616	703	3,442	703	1.0	1,616	\$ 70,763	\$ -	\$ -	57	1,616
10,001-50,000	\$43.79	1,919	941	3,875	941	1.0	1,919	\$ 84,036	\$ -	\$ -	57	1,919
50,001-100,000	\$43.79	575	272	1,181	272	1.0	575	\$ 25,165	\$ -	\$ -	57	575
100,001-1,000,000	\$43.79	657	478	1,015	478	1.0	657	\$ 28,788	\$ -	\$ -	57	657
>1,000,000	\$43.79	42	34	59	34	1.0	42	\$ 1,859	\$ -	\$ -	57	42
Total		18,765	4,238	47,819	4,238		18,765	\$ 821,764		\$ -	57	18,765

Notes:

The ICR covers the period January 2012 - December 2014.

Burden estimates take into account the results of the August 2011 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 August 2011 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	11,651
101-500	13,737
501-1K	4,463
1K-3.3K	5,694
3.3K-10K	2,739
10K-25K	964
25K-50K	356
50K-75K	120
75K-100K	32
100K-500K	63
500K-1M	4
> 1M	3
TOTAL:	39,825

SURFACE WATER: CWSs

Size Category	Total Systems
≤100	983
101-500	2,153
501-1K	1,173
1K-3.3K	2,527
3.3K-10K	2,143
10K-25K	1,263
25K-50K	657
50K-75K	253
75K-100K	139
100K-500K	294
500K-1M	31
> 1M	18
TOTAL:	11,635

GROUND WATER: NTNCWSs

Size Category	Total Systems
≤100	8,571
101-500	6,467
501-1K	1,659
1K-3.3K	764
3.3K-10K	103
10K-25K	8
25K-50K	4
50K-75K	0
75K-100K	0
100K-500K	0
500K-1M	0
> 1M	0
TOTAL:	17,576

SURFACE WATER: NTNCWSs

Size Category	Total Systems
≤100	257
101-500	264
501-1K	86
1K-3.3K	75
3.3K-10K	29
10K-25K	4
25K-50K	2
50K-75K	1
75K-100K	0
100K-500K	1
500K-1M	0
> 1M	0
TOTAL:	719

GROUND WATER: ALL SYSTEMS

Size Category	Total Systems
≤100	20,222
101-500	20,204
501-1K	6,122
1K-3.3K	6,458
3.3K-10K	2,842
10K-25K	972
25K-50K	360
50K-75K	120
75K-100K	32
100K-500K	63
500K-1M	4
> 1M	3
TOTAL:	57,401

SURFACE WATER: ALL SYSTEMS

Size Category	Total Systems
≤100	1,240
101-500	2,417
501-1K	1,259
1K-3.3K	2,602
3.3K-10K	2,172
10K-25K	1,267
25K-50K	659
50K-75K	254
75K-100K	139
100K-500K	295
500K-1M	31
> 1M	18
TOTAL:	12,354

Source: SDWIS/FED Data from October 2010

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

State Labor Rate \$43.79

System Labor Rates	
≤100	\$32.38
101-500	\$32.38
501-1K	\$32.38
1K-3.3K	\$32.38
3.3K-10K	\$32.38
10K-25K	\$32.38
25K-50K	\$32.38
50K-75K	\$32.38
75K-100K	\$32.38
100K-500K	\$32.38
500K-1M	\$32.38
> 1M	\$32.38

PWS Labor Rate

Base (Hourly) \$20.24
 Load Factor 1.6
 Inflation Factor 1.00
 Total \$32.38

2010\$ 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 2010 data (published in May 2011).
 1 ECI New
 1 ECI Base

State Labor Rate

Base (Hourly) \$27.37
 Load Factor 1.6
 Inflation Factor 1.00
 Total \$43.79

2010\$ National Occupational Employment and Wage Estimates, United States, BLS SOC Code 19-2041, "State Government - Environmental Scientists and Specialists, Including Health". May 2010 data (published in May 2011). <http://stats.bls.gov/oes/current/oes192041.htm>
 1 ECI New
 1 ECI Base

Sampling Cost Inflation Factor

Inflation Factor 1.31

CPI All Urban Consumers (CPI-U): U.S. City Average, by Expenditure Category and Commodity and Service Group. All urban 218.056 consumers, All items, Not seasonally adjusted. 2010 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	11,651	5	5	4.0	\$ 32.38	\$ 6.88	\$ 647.68	\$ 647.68	\$ 34.41	\$ 34.41	
101-500	13,737	10	5	4.0	\$ 32.38	\$ 6.88	\$ 1,295.36	\$ 647.68	\$ 68.82	\$ 34.41	
501-1K	4,463	20	10	4.0	\$ 32.38	\$ 6.88	\$ 2,590.72	\$ 1,295.36	\$ 137.64	\$ 68.82	
1K-3.3K	5,694	20	10	4.0	\$ 32.38	\$ 6.88	\$ 2,590.72	\$ 1,295.36	\$ 137.64	\$ 68.82	
3.3K-10K	2,739	40	20	4.0	\$ 32.38	\$ 6.88	\$ 5,181.44	\$ 2,590.72	\$ 275.27	\$ 137.64	
10K-25K	964	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45	
25K-50K	356	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45	
50K-75K	120	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45	
75K-100K	32	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45	
100K-500K	63	100	50	4.0	\$ 32.38	\$ 6.88	\$ 12,953.60	\$ 6,476.80	\$ 688.18	\$ 344.09	
500K-1M	4	100	50	4.0	\$ 32.38	\$ 6.88	\$ 12,953.60	\$ 6,476.80	\$ 688.18	\$ 344.09	
> 1M	3	100	50	4.0	\$ 32.38	\$ 6.88	\$ 12,953.60	\$ 6,476.80	\$ 688.18	\$ 344.09	
TOTAL:	39,825										
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	8,571	5	5	4.0	\$ 32.38	\$ 6.88	\$ 647.68	\$ 647.68	\$ 34.41	\$ 34.41	
101-500	6,467	10	5	4.0	\$ 32.38	\$ 6.88	\$ 1,295.36	\$ 647.68	\$ 68.82	\$ 34.41	
501-1K	1,659	20	10	4.0	\$ 32.38	\$ 6.88	\$ 2,590.72	\$ 1,295.36	\$ 137.64	\$ 68.82	
1K-3.3K	764	20	10	4.0	\$ 32.38	\$ 6.88	\$ 2,590.72	\$ 1,295.36	\$ 137.64	\$ 68.82	
3.3K-10K	103	40	20	4.0	\$ 32.38	\$ 6.88	\$ 5,181.44	\$ 2,590.72	\$ 275.27	\$ 137.64	
10K-25K	8	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45	
25K-50K	4	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45	
50K-75K	-	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45	
75K-100K	-	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45	
100K-500K	-	100	50	4.0	\$ 32.38	\$ 6.88	\$ 12,953.60	\$ 6,476.80	\$ 688.18	\$ 344.09	
500K-1M	-	100	50	4.0	\$ 32.38	\$ 6.88	\$ 12,953.60	\$ 6,476.80	\$ 688.18	\$ 344.09	
> 1M	-	100	50	4.0	\$ 32.38	\$ 6.88	\$ 12,953.60	\$ 6,476.80	\$ 688.18	\$ 344.09	
TOTAL:	17,576										
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	20,222	5	5	4.0	\$ 32.38	\$ 6.88	\$ 647.68	\$ 647.68	\$ 34.41	\$ 34.41	
101-500	20,204	10	5	4.0	\$ 32.38	\$ 6.88	\$ 1,295.36	\$ 647.68	\$ 68.82	\$ 34.41	
501-1K	6,122	20	10	4.0	\$ 32.38	\$ 6.88	\$ 2,590.72	\$ 1,295.36	\$ 137.64	\$ 68.82	
1K-3.3K	6,458	20	10	4.0	\$ 32.38	\$ 6.88	\$ 2,590.72	\$ 1,295.36	\$ 137.64	\$ 68.82	
3.3K-10K	2,842	40	20	4.0	\$ 32.38	\$ 6.88	\$ 5,181.44	\$ 2,590.72	\$ 275.27	\$ 137.64	
10K-25K	972	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45	
25K-50K	360	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45	
50K-75K	120	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45	
75K-100K	32	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45	
100K-500K	63	100	50	4.0	\$ 32.38	\$ 6.88	\$ 12,953.60	\$ 6,476.80	\$ 688.18	\$ 344.09	
500K-1M	4	100	50	4.0	\$ 32.38	\$ 6.88	\$ 12,953.60	\$ 6,476.80	\$ 688.18	\$ 344.09	
> 1M	3	100	50	4.0	\$ 32.38	\$ 6.88	\$ 12,953.60	\$ 6,476.80	\$ 688.18	\$ 344.09	
TOTAL:	57,401										

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	983	5	5	4.0	\$ 32.38	\$ 6.88	\$ 647.68	\$ 647.68	\$ 34.41	\$ 34.41
101-500	2,153	10	5	4.0	\$ 32.38	\$ 6.88	\$ 1,295.36	\$ 647.68	\$ 68.82	\$ 34.41
501-1K	1,173	20	10	4.0	\$ 32.38	\$ 6.88	\$ 2,590.72	\$ 1,295.36	\$ 137.64	\$ 68.82
1K-3.3K	2,527	20	10	4.0	\$ 32.38	\$ 6.88	\$ 2,590.72	\$ 1,295.36	\$ 137.64	\$ 68.82
3.3K-10K	2,143	40	20	4.0	\$ 32.38	\$ 6.88	\$ 5,181.44	\$ 2,590.72	\$ 275.27	\$ 137.64
10K-25K	1,263	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45
25K-50K	657	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45
50K-75K	253	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45
75K-100K	139	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45
100K-500K	294	100	50	4.0	\$ 32.38	\$ 6.88	\$ 12,953.60	\$ 6,476.80	\$ 688.18	\$ 344.09
500K-1M	31	100	50	4.0	\$ 32.38	\$ 6.88	\$ 12,953.60	\$ 6,476.80	\$ 688.18	\$ 344.09
> 1M	18	100	50	4.0	\$ 32.38	\$ 6.88	\$ 12,953.60	\$ 6,476.80	\$ 688.18	\$ 344.09
TOTAL:	11,635									
SURFACE WATER: NTCWSs										
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	257	5	5	4.0	\$ 32.38	\$ 6.88	\$ 647.68	\$ 647.68	\$ 34.41	\$ 34.41
101-500	264	10	5	4.0	\$ 32.38	\$ 6.88	\$ 1,295.36	\$ 647.68	\$ 68.82	\$ 34.41
501-1K	86	20	10	4.0	\$ 32.38	\$ 6.88	\$ 2,590.72	\$ 1,295.36	\$ 137.64	\$ 68.82
1K-3.3K	75	20	10	4.0	\$ 32.38	\$ 6.88	\$ 2,590.72	\$ 1,295.36	\$ 137.64	\$ 68.82
3.3K-10K	29	40	20	4.0	\$ 32.38	\$ 6.88	\$ 5,181.44	\$ 2,590.72	\$ 275.27	\$ 137.64
10K-25K	4	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45
25K-50K	2	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45
50K-75K	1	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45
75K-100K	-	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45
100K-500K	1	100	50	4.0	\$ 32.38	\$ 6.88	\$ 12,953.60	\$ 6,476.80	\$ 688.18	\$ 344.09
500K-1M	-	100	50	4.0	\$ 32.38	\$ 6.88	\$ 12,953.60	\$ 6,476.80	\$ 688.18	\$ 344.09
> 1M	-	100	50	4.0	\$ 32.38	\$ 6.88	\$ 12,953.60	\$ 6,476.80	\$ 688.18	\$ 344.09
TOTAL:	719									
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	1,240	5	5	4.0	\$ 32.38	\$ 6.88	\$ 647.68	\$ 647.68	\$ 34.41	\$ 34.41
101-500	2,417	10	5	4.0	\$ 32.38	\$ 6.88	\$ 1,295.36	\$ 647.68	\$ 68.82	\$ 34.41
501-1K	1,259	20	10	4.0	\$ 32.38	\$ 6.88	\$ 2,590.72	\$ 1,295.36	\$ 137.64	\$ 68.82
1K-3.3K	2,602	20	10	4.0	\$ 32.38	\$ 6.88	\$ 2,590.72	\$ 1,295.36	\$ 137.64	\$ 68.82
3.3K-10K	2,172	40	20	4.0	\$ 32.38	\$ 6.88	\$ 5,181.44	\$ 2,590.72	\$ 275.27	\$ 137.64
10K-25K	1,267	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45
25K-50K	659	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45
50K-75K	254	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45
75K-100K	139	60	30	4.0	\$ 32.38	\$ 6.88	\$ 7,772.16	\$ 3,886.08	\$ 412.91	\$ 206.45
100K-500K	295	100	50	4.0	\$ 32.38	\$ 6.88	\$ 12,953.60	\$ 6,476.80	\$ 688.18	\$ 344.09
500K-1M	31	100	50	4.0	\$ 32.38	\$ 6.88	\$ 12,953.60	\$ 6,476.80	\$ 688.18	\$ 344.09
> 1M	18	100	50	4.0	\$ 32.38	\$ 6.88	\$ 12,953.60	\$ 6,476.80	\$ 688.18	\$ 344.09
TOTAL:	12,354									

Note: Burden estimates take into account the results of the August 2011 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	11,651	60.00%	5.53%	16.58%	0.59%	1.77%	10.00%	-	1.38%	4.15%		
101-500	13,737	60.00%	5.55%	16.65%	0.56%	1.69%	10.00%	-	1.39%	4.16%		
501-1K	4,463	60.00%	5.64%	16.91%	0.45%	1.36%	10.00%	-	1.41%	4.23%		
1K-3.3K	5,694	60.00%	5.65%	16.96%	0.43%	1.30%	10.00%	-	1.41%	4.24%		
3.3K-10K	2,739	75.00%	4.54%	13.62%	0.57%	1.72%	-	-	1.14%	3.41%		
10K-25K	964	75.00%	4.58%	13.73%	0.53%	1.58%	-	-	1.14%	3.43%		
25K-50K	356	75.00%	4.53%	13.58%	0.59%	1.78%	-	-	1.13%	3.39%		
50K-75K	120	98.86%	-	-	1.14%	3.42%	-	0.00%	-	-		
75K-100K	32	99.42%	-	-	0.58%	1.75%	-	0.00%	-	-		
100K-500K	63	99.23%	-	-	0.77%	2.31%	-	0.00%	-	-		
500K-1M	4	97.86%	-	-	2.14%	6.43%	-	0.00%	-	-		
> 1M	3	98.81%	-	-	1.19%	3.57%	-	0.00%	-	-		
TOTAL:	39,825											
GROUND WATER: NTCWSs												
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	8,571	60.00%	5.08%	15.24%	1.15%	3.45%	10.00%	-	1.27%	3.81%		
101-500	6,467	60.00%	4.94%	14.83%	1.32%	3.97%	10.00%	-	1.24%	3.71%		
501-1K	1,659	60.00%	4.98%	14.94%	1.28%	3.83%	10.00%	-	1.24%	3.73%		
1K-3.3K	764	60.00%	5.00%	15.00%	1.25%	3.75%	10.00%	-	1.25%	3.75%		
3.3K-10K	103	75.00%	3.64%	10.91%	1.70%	5.11%	-	-	0.91%	2.73%		
10K-25K	8	75.00%	5.00%	15.00%	0.00%	0.00%	-	-	1.25%	3.75%		
25K-50K	4	75.00%	5.00%	15.00%	0.00%	0.00%	-	-	1.25%	3.75%		
50K-75K	-	100.00%	-	-	-	-	-	0.00%	-	-		
75K-100K	-	100.00%	-	-	-	-	-	0.00%	-	-		
100K-500K	-	100.00%	-	-	-	-	-	0.00%	-	-		
500K-1M	-	100.00%	-	-	-	-	-	0.00%	-	-		
> 1M	-	100.00%	-	-	-	-	-	0.00%	-	-		
TOTAL:	17,576											

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	983	-	60.00%	5.53%	16.58%	0.59%	1.77%	10.00%	0.00%	1.38%	4.15%	
101-500	2,153	-	60.00%	5.55%	16.65%	0.56%	1.69%	10.00%	0.00%	1.39%	4.16%	
501-1K	1,173	-	60.00%	5.64%	16.91%	0.45%	1.36%	10.00%	0.00%	1.41%	4.23%	
1K-3.3K	2,527	-	60.00%	5.65%	16.96%	0.43%	1.30%	10.00%	0.00%	1.41%	4.24%	
3.3K-10K	2,143	-	75.00%	4.54%	13.62%	0.57%	1.72%	0.00%	0.00%	1.14%	3.41%	
10K-25K	1,263	-	75.00%	4.58%	13.73%	0.53%	1.58%	0.00%	0.00%	1.14%	3.43%	
25K-50K	657	-	75.00%	4.53%	13.58%	0.59%	1.78%	0.00%	0.00%	1.13%	3.39%	
50K-75K	253	38	98.86%	0.00%	0.00%	1.14%	3.42%	0.00%	0.00%	0.00%	0.00%	
75K-100K	139	16	99.42%	0.00%	0.00%	0.58%	1.75%	0.00%	0.00%	0.00%	0.00%	
100K-500K	294	57	99.23%	0.00%	0.00%	0.77%	2.31%	0.00%	0.00%	0.00%	0.00%	
500K-1M	31	3	97.86%	0.00%	0.00%	2.14%	6.43%	0.00%	0.00%	0.00%	0.00%	
> 1M	18	2	98.81%	0.00%	0.00%	1.19%	3.57%	0.00%	0.00%	0.00%	0.00%	
TOTAL:	11,635											
SURFACE WATER: NTCWSs												
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	257	-	60.00%	5.08%	15.24%	1.15%	3.45%	10.00%	0.00%	1.27%	3.81%	
101-500	264	-	60.00%	4.94%	14.83%	1.32%	3.97%	10.00%	0.00%	1.24%	3.71%	
501-1K	86	-	60.00%	4.98%	14.94%	1.28%	3.83%	10.00%	0.00%	1.24%	3.73%	
1K-3.3K	75	-	60.00%	5.00%	15.00%	1.25%	3.75%	10.00%	0.00%	1.25%	3.75%	
3.3K-10K	29	-	75.00%	3.64%	10.91%	1.70%	5.11%	0.00%	0.00%	0.91%	2.73%	
10K-25K	4	-	75.00%	5.00%	15.00%	0.00%	0.00%	0.00%	0.00%	1.25%	3.75%	
25K-50K	2	-	75.00%	5.00%	15.00%	0.00%	0.00%	0.00%	0.00%	1.25%	3.75%	
50K-75K	1	-	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
75K-100K	-	-	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
100K-500K	1	-	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
500K-1M	-	-	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
> 1M	-	-	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
TOTAL:	719											

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 which exceed but treat and comply are assumed to qualify for reduced schedule. Numbers of systems exceeding lead action level based on SDWIS 2010 data.

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

SCENARIO 1: Monitor Only

Ground Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	1			1			1			3
101-500	1			1			1			3
501-1K	1			1			1			3
1K-3.3K	1			1			1			3
3.3K-10K			1			1			1	3
10K-25K			1			1			1	3
25K-50K			1			1			1	3
50K-75K		1			1			1		3
75K-100K		1			1			1		3
100K-500K		1			1			1		3
500K-1M		1			1			1		3
> 1M		1			1			1		3
Surface Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	1			1			1			3
101-500	1			1			1			3
501-1K	1			1			1			3
1K-3.3K	1			1			1			3
3.3K-10K			1			1			1	3
10K-25K			1			1			1	3
25K-50K			1			1			1	3
50K-75K		1			1			1		3
75K-100K		1			1			1		3
100K-500K		1			1			1		3
500K-1M		1			1			1		3
> 1M		1			1			1		3

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

Ground Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100			1			1			1	3
101-500			1			1			1	3
501-1K			1			1			1	3
1K-3.3K			1			1			1	3
3.3K-10K		1			1			1		2
10K-25K		1			1			1		2
25K-50K		1			1			1		2
50K-75K										0
75K-100K										0
100K-500K										0
500K-1M										0
> 1M										0
Surface Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100			1			1			1	3
101-500			1			1			1	3
501-1K			1			1			1	3
1K-3.3K			1			1			1	3
3.3K-10K		1			1			1		3
10K-25K		1			1			1		3
25K-50K		1			1			1		3
50K-75K										0
75K-100K										0
100K-500K										0
500K-1M										0
> 1M										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										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100		1			1			1		3
101-500		1			1			1		3
501-1K		1			1			1		3
1K-3.3K		1			1			1		3
3.3K-10K	1			1			1			3
10K-25K	1			1			1			3
25K-50K	1			1			1			3
50K-75K										0
75K-100K										0
100K-500K										0
500K-1M										0
> 1M										0
Surface Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100		1			1			1		3
101-500		1			1			1		3
501-1K		1			1			1		3
1K-3.3K		1			1			1		3
3.3K-10K	1			1			1			3
10K-25K	1			1			1			3
25K-50K	1			1			1			3
50K-75K										0
75K-100K										0
100K-500K										0
500K-1M										0
> 1M										0

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

Ground Water Systems											
Size Category	Years (Representing 9-Year Compliance Cycle)									Total	
	2008	2009	2010	2011	2012	2013	2014	2015	2016		
≤100	2	2	2	2	2	2	2	2	2	2	18
101-500	2	2	2	2	2	2	2	2	2	2	18
501-1K	2	2	2	2	2	2	2	2	2	2	18
1K-3.3K	2	2	2	2	2	2	2	2	2	2	18
3.3K-10K	2	2	2	2	2	2	2	2	2	2	18
10K-25K	2	2	2	2	2	2	2	2	2	2	18
25K-50K	2	2	2	2	2	2	2	2	2	2	18
50K-75K	2	2	2	2	2	2	2	2	2	2	18
75K-100K	2	2	2	2	2	2	2	2	2	2	18
100K-500K	2	2	2	2	2	2	2	2	2	2	18
500K-1M	2	2	2	2	2	2	2	2	2	2	18
> 1M	2	2	2	2	2	2	2	2	2	2	18
Surface Water Systems											
Size Category	Years (Representing 9-Year Compliance Cycle)									Total	
	2008	2009	2010	2011	2012	2013	2014	2015	2016		
≤100	2	2	2	2	2	2	2	2	2	2	18
101-500	2	2	2	2	2	2	2	2	2	2	18
501-1K	2	2	2	2	2	2	2	2	2	2	18
1K-3.3K	2	2	2	2	2	2	2	2	2	2	18
3.3K-10K	2	2	2	2	2	2	2	2	2	2	18
10K-25K	2	2	2	2	2	2	2	2	2	2	18
25K-50K	2	2	2	2	2	2	2	2	2	2	18
50K-75K	2	2	2	2	2	2	2	2	2	2	18
75K-100K	2	2	2	2	2	2	2	2	2	2	18
100K-500K	2	2	2	2	2	2	2	2	2	2	18
500K-1M	2	2	2	2	2	2	2	2	2	2	18
> 1M	2	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 Compliance Cycle)									Total	
	2008	2009	2010	2011	2012	2013	2014	2015	2016		
≤100	2	2	2	2	2	2	2	2	2	2	18
101-500	2	2	2	2	2	2	2	2	2	2	18
501-1K	2	2	2	2	2	2	2	2	2	2	18
1K-3.3K	2	2	2	2	2	2	2	2	2	2	18
3.3K-10K	2	2	2	2	2	2	2	2	2	2	18
10K-25K	2	2	2	2	2	2	2	2	2	2	18
25K-50K	2	2	2	2	2	2	2	2	2	2	18
50K-75K	2	2	2	2	2	2	2	2	2	2	18
75K-100K	2	2	2	2	2	2	2	2	2	2	18
100K-500K	2	2	2	2	2	2	2	2	2	2	18
500K-1M	2	2	2	2	2	2	2	2	2	2	18
> 1M	2	2	2	2	2	2	2	2	2	2	18
Surface Water Systems											
Size Category	Years									Total	
	2008	2009	2010	2011	2012	2013	2014	2015	2016		
≤100	2	2	2	2	2	2	2	2	2	2	18
101-500	2	2	2	2	2	2	2	2	2	2	18
501-1K	2	2	2	2	2	2	2	2	2	2	18
1K-3.3K	2	2	2	2	2	2	2	2	2	2	18
3.3K-10K	2	2	2	2	2	2	2	2	2	2	18
10K-25K	2	2	2	2	2	2	2	2	2	2	18
25K-50K	2	2	2	2	2	2	2	2	2	2	18
50K-75K	2	2	2	2	2	2	2	2	2	2	18
75K-100K	2	2	2	2	2	2	2	2	2	2	18
100K-500K	2	2	2	2	2	2	2	2	2	2	18
500K-1M	2	2	2	2	2	2	2	2	2	2	18
> 1M	2	2	2	2	2	2	2	2	2	2	18

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

Ground Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100							1			1
101-500							1			1
501-1K							1			1
1K-3.3K							1			1
3.3K-10K										0
10K-25K										0
25K-50K										0
50K-75K										0
75K-100K										0
100K-500K										0
500K-1M										0
> 1M										0
Surface Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100							1			1
101-500							1			1
501-1K							1			1
1K-3.3K							1			1
3.3K-10K										0
10K-25K										0
25K-50K										0
50K-75K										0
75K-100K										0
100K-500K										0
500K-1M										0
> 1M										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										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100										0
101-500										0
501-1K										0
1K-3.3K										0
3.3K-10K										0
10K-25K										0
25K-50K										0
50K-75K			1			1			1	3
75K-100K			1			1			1	3
100K-500K			1			1			1	3
500K-1M			1			1			1	3
> 1M			1			1			1	3
Surface Water Systems										
Size Category	Years									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100										0
101-500										0
501-1K										0
1K-3.3K										0
3.3K-10K										0
10K-25K										0
25K-50K										0
50K-75K			1			1			1	3
75K-100K			1			1			1	3
100K-500K			1			1			1	3
500K-1M			1			1			1	3
> 1M			1			1			1	3

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

Ground Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	1			1			1			3
101-500	1			1			1			3
501-1K	1			1			1			3
1K-3.3K	1			1			1			3
3.3K-10K			1			1			1	3
10K-25K			1			1			1	3
25K-50K			1			1			1	3
50K-75K										0
75K-100K										0
100K-500K										0
500K-1M										0
> 1M										0
Surface Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	1			1			1			3
101-500	1			1			1			3
501-1K	1			1			1			3
1K-3.3K	1			1			1			3
3.3K-10K			1			1			1	3
10K-25K			1			1			1	3
25K-50K			1			1			1	3
50K-75K										0
75K-100K										0
100K-500K										0
500K-1M										0
> 1M										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										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100			1			1			1	3
101-500			1			1			1	3
501-1K			1			1			1	3
1K-3.3K			1			1			1	3
3.3K-10K			1			1			1	3
10K-25K			1			1			1	3
25K-50K			1			1			1	3
50K-75K										0
75K-100K										0
100K-500K										0
500K-1M										0
> 1M										0
Surface Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100			1			1			1	3
101-500			1			1			1	3
501-1K			1			1			1	3
1K-3.3K			1			1			1	3
3.3K-10K			1			1			1	3
10K-25K			1			1			1	3
25K-50K			1			1			1	3
50K-75K										0
75K-100K										0
100K-500K										0
500K-1M										0
> 1M										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										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	5	0	0	5	0	0	5	0	0	15
101-500	5	0	0	5	0	0	5	0	0	15
501-1K	10	0	0	10	0	0	10	0	0	30
1K-3.3K	10	0	0	10	0	0	10	0	0	30
3.3K-10K	0	0	20	0	0	20	0	0	20	60
10K-25K	0	0	30	0	0	30	0	0	30	90
25K-50K	0	0	30	0	0	30	0	0	30	90
50K-75K	0	30	0	0	30	0	0	30	0	90
75K-100K	0	30	0	0	30	0	0	30	0	90
100K-500K	0	50	0	0	50	0	0	50	0	150
500K-1M	0	50	0	0	50	0	0	50	0	150
> 1M	0	50	0	0	50	0	0	50	0	150

Surface Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	5	0	0	5	0	0	5	0	0	15
101-500	5	0	0	5	0	0	5	0	0	15
501-1K	10	0	0	10	0	0	10	0	0	30
1K-3.3K	10	0	0	10	0	0	10	0	0	30
3.3K-10K	0	0	20	0	0	20	0	0	20	60
10K-25K	0	0	30	0	0	30	0	0	30	90
25K-50K	0	0	30	0	0	30	0	0	30	90
50K-75K	0	30	0	0	30	0	0	30	0	90
75K-100K	0	30	0	0	30	0	0	30	0	90
100K-500K	0	50	0	0	50	0	0	50	0	150
500K-1M	0	50	0	0	50	0	0	50	0	150
> 1M	0	50	0	0	50	0	0	50	0	150

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

Ground Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	0	0	5	0	0	5	0	0	5	15
101-500	0	0	5	0	0	5	0	0	5	15
501-1K	0	0	10	0	0	10	0	0	10	30
1K-3.3K	0	0	10	0	0	10	0	0	10	30
3.3K-10K	0	20	0	0	20	0	0	20	0	60
10K-25K	0	30	0	0	30	0	0	30	0	90
25K-50K	0	30	0	0	30	0	0	30	0	90
50K-75K	0	0	0	0	0	0	0	0	0	0
75K-100K	0	0	0	0	0	0	0	0	0	0
100K-500K	0	0	0	0	0	0	0	0	0	0
500K-1M	0	0	0	0	0	0	0	0	0	0
> 1M	0	0	0	0	0	0	0	0	0	0
Surface Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	0	0	5	0	0	5	0	0	5	15
101-500	0	0	5	0	0	5	0	0	5	15
501-1K	0	0	10	0	0	10	0	0	10	30
1K-3.3K	0	0	10	0	0	10	0	0	10	30
3.3K-10K	0	20	0	0	20	0	0	20	0	60
10K-25K	0	30	0	0	30	0	0	30	0	90
25K-50K	0	30	0	0	30	0	0	30	0	90
50K-75K	0	0	0	0	0	0	0	0	0	0
75K-100K	0	0	0	0	0	0	0	0	0	0
100K-500K	0	0	0	0	0	0	0	0	0	0
500K-1M	0	0	0	0	0	0	0	0	0	0
> 1M	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										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	0	5	0	0	5	0	0	5	0	15
101-500	0	5	0	0	5	0	0	5	0	15
501-1K	0	10	0	0	10	0	0	10	0	30
1K-3.3K	0	10	0	0	10	0	0	10	0	30
3.3K-10K	20	0	0	20	0	0	20	0	0	60
10K-25K	30	0	0	30	0	0	30	0	0	90
25K-50K	30	0	0	30	0	0	30	0	0	90
50K-75K	0	0	0	0	0	0	0	0	0	0
75K-100K	0	0	0	0	0	0	0	0	0	0
100K-500K	0	0	0	0	0	0	0	0	0	0
500K-1M	0	0	0	0	0	0	0	0	0	0
> 1M	0	0	0	0	0	0	0	0	0	0
Surface Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	0	5	0	0	5	0	0	5	0	15
101-500	0	5	0	0	5	0	0	5	0	15
501-1K	0	10	0	0	10	0	0	10	0	30
1K-3.3K	0	10	0	0	10	0	0	10	0	30
3.3K-10K	20	0	0	20	0	0	20	0	0	60
10K-25K	30	0	0	30	0	0	30	0	0	90
25K-50K	30	0	0	30	0	0	30	0	0	90
50K-75K	0	0	0	0	0	0	0	0	0	0
75K-100K	0	0	0	0	0	0	0	0	0	0
100K-500K	0	0	0	0	0	0	0	0	0	0
500K-1M	0	0	0	0	0	0	0	0	0	0
> 1M	0	0	0	0	0	0	0	0	0	0

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

Ground Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	10	10	10	10	10	10	10	10	10	90
101-500	20	20	20	20	20	20	20	20	20	180
501-1K	40	40	40	40	40	40	40	40	40	360
1K-3.3K	40	40	40	40	40	40	40	40	40	360
3.3K-10K	80	80	80	80	80	80	80	80	80	720
10K-25K	120	120	120	120	120	120	120	120	120	1080
25K-50K	120	120	120	120	120	120	120	120	120	1080
50K-75K	120	120	120	120	120	120	120	120	120	1080
75K-100K	120	120	120	120	120	120	120	120	120	1080
100K-500K	200	200	200	200	200	200	200	200	200	1800
500K-1M	200	200	200	200	200	200	200	200	200	1800
> 1M	200	200	200	200	200	200	200	200	200	1800
Surface Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	10	10	10	10	10	10	10	10	10	90
101-500	20	20	20	20	20	20	20	20	20	180
501-1K	40	40	40	40	40	40	40	40	40	360
1K-3.3K	40	40	40	40	40	40	40	40	40	360
3.3K-10K	80	80	80	80	80	80	80	80	80	720
10K-25K	120	120	120	120	120	120	120	120	120	1080
25K-50K	120	120	120	120	120	120	120	120	120	1080
50K-75K	120	120	120	120	120	120	120	120	120	1080
75K-100K	120	120	120	120	120	120	120	120	120	1080
100K-500K	200	200	200	200	200	200	200	200	200	1800
500K-1M	200	200	200	200	200	200	200	200	200	1800
> 1M	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										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	10	10	10	10	10	10	10	10	10	90
101-500	20	20	20	20	20	20	20	20	20	180
501-1K	40	40	40	40	40	40	40	40	40	360
1K-3.3K	40	40	40	40	40	40	40	40	40	360
3.3K-10K	80	80	80	80	80	80	80	80	80	720
10K-25K	120	120	120	120	120	120	120	120	120	1080
25K-50K	120	120	120	120	120	120	120	120	120	1080
50K-75K	120	120	120	120	120	120	120	120	120	1080
75K-100K	120	120	120	120	120	120	120	120	120	1080
100K-500K	200	200	200	200	200	200	200	200	200	1800
500K-1M	200	200	200	200	200	200	200	200	200	1800
> 1M	200	200	200	200	200	200	200	200	200	1800
Surface Water Systems										
Size Category	Years									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	10	10	10	10	10	10	10	10	10	90
101-500	20	20	20	20	20	20	20	20	20	180
501-1K	40	40	40	40	40	40	40	40	40	360
1K-3.3K	40	40	40	40	40	40	40	40	40	360
3.3K-10K	80	80	80	80	80	80	80	80	80	720
10K-25K	120	120	120	120	120	120	120	120	120	1080
25K-50K	120	120	120	120	120	120	120	120	120	1080
50K-75K	120	120	120	120	120	120	120	120	120	1080
75K-100K	120	120	120	120	120	120	120	120	120	1080
100K-500K	200	200	200	200	200	200	200	200	200	1800
500K-1M	200	200	200	200	200	200	200	200	200	1800
> 1M	200	200	200	200	200	200	200	200	200	1800

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

Ground Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	0	0	0	0	0	0	5	0	0	5
101-500	0	0	0	0	0	0	5	0	0	5
501-1K	0	0	0	0	0	0	10	0	0	10
1K-3.3K	0	0	0	0	0	0	10	0	0	10
3.3K-10K	0	0	0	0	0	0	0	0	0	0
10K-25K	0	0	0	0	0	0	0	0	0	0
25K-50K	0	0	0	0	0	0	0	0	0	0
50K-75K	0	0	0	0	0	0	0	0	0	0
75K-100K	0	0	0	0	0	0	0	0	0	0
100K-500K	0	0	0	0	0	0	0	0	0	0
500K-1M	0	0	0	0	0	0	0	0	0	0
> 1M	0	0	0	0	0	0	0	0	0	0
Surface Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	0	0	0	0	0	0	5	0	0	5
101-500	0	0	0	0	0	0	5	0	0	5
501-1K	0	0	0	0	0	0	10	0	0	10
1K-3.3K	0	0	0	0	0	0	10	0	0	10
3.3K-10K	0	0	0	0	0	0	0	0	0	0
10K-25K	0	0	0	0	0	0	0	0	0	0
25K-50K	0	0	0	0	0	0	0	0	0	0
50K-75K	0	0	0	0	0	0	0	0	0	0
75K-100K	0	0	0	0	0	0	0	0	0	0
100K-500K	0	0	0	0	0	0	0	0	0	0
500K-1M	0	0	0	0	0	0	0	0	0	0
> 1M	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										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	0	0	0	0	0	0	0	0	0	0
101-500	0	0	0	0	0	0	0	0	0	0
501-1K	0	0	0	0	0	0	0	0	0	0
1K-3.3K	0	0	0	0	0	0	0	0	0	0
3.3K-10K	0	0	0	0	0	0	0	0	0	0
10K-25K	0	0	0	0	0	0	0	0	0	0
25K-50K	0	0	0	0	0	0	0	0	0	0
50K-75K	0	0	30	0	0	30	0	0	30	90
75K-100K	0	0	30	0	0	30	0	0	30	90
100K-500K	0	0	50	0	0	50	0	0	50	150
500K-1M	0	0	50	0	0	50	0	0	50	150
> 1M	0	0	50	0	0	50	0	0	50	150
Surface Water Systems										
Size Category	Years									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	0	0	0	0	0	0	0	0	0	0
101-500	0	0	0	0	0	0	0	0	0	0
501-1K	0	0	0	0	0	0	0	0	0	0
1K-3.3K	0	0	0	0	0	0	0	0	0	0
3.3K-10K	0	0	0	0	0	0	0	0	0	0
10K-25K	0	0	0	0	0	0	0	0	0	0
25K-50K	0	0	0	0	0	0	0	0	0	0
50K-75K	0	0	60	0	0	60	0	0	60	180
75K-100K	0	0	30	0	0	30	0	0	30	90
100K-500K	0	0	50	0	0	50	0	0	50	150
500K-1M	0	0	50	0	0	50	0	0	50	150
> 1M	0	0	50	0	0	50	0	0	50	150

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

Ground Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	5	0	0	5	0	0	5	0	0	15
101-500	5	0	0	5	0	0	5	0	0	15
501-1K	10	0	0	10	0	0	10	0	0	30
1K-3.3K	10	0	0	10	0	0	10	0	0	30
3.3K-10K	0	0	20	0	0	20	0	0	20	60
10K-25K	0	0	30	0	0	30	0	0	30	90
25K-50K	0	0	30	0	0	30	0	0	30	90
50K-75K	0	0	0	0	0	0	0	0	0	0
75K-100K	0	0	0	0	0	0	0	0	0	0
100K-500K	0	0	0	0	0	0	0	0	0	0
500K-1M	0	0	0	0	0	0	0	0	0	0
> 1M	0	0	0	0	0	0	0	0	0	0
Surface Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	5	0	0	5	0	0	5	0	0	15
101-500	5	0	0	5	0	0	5	0	0	15
501-1K	10	0	0	10	0	0	10	0	0	30
1K-3.3K	10	0	0	10	0	0	10	0	0	30
3.3K-10K	0	0	20	0	0	20	0	0	20	60
10K-25K	0	0	30	0	0	30	0	0	30	90
25K-50K	0	0	30	0	0	30	0	0	30	90
50K-75K	0	0	0	0	0	0	0	0	0	0
75K-100K	0	0	0	0	0	0	0	0	0	0
100K-500K	0	0	0	0	0	0	0	0	0	0
500K-1M	0	0	0	0	0	0	0	0	0	0
> 1M	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										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	0	0	5	0	0	5	0	0	5	15
101-500	0	0	5	0	0	5	0	0	5	15
501-1K	0	0	10	0	0	10	0	0	10	30
1K-3.3K	0	0	10	0	0	10	0	0	10	30
3.3K-10K	0	0	20	0	0	20	0	0	20	60
10K-25K	0	0	30	0	0	30	0	0	30	90
25K-50K	0	0	30	0	0	30	0	0	30	90
50K-75K	0	0	0	0	0	0	0	0	0	0
75K-100K	0	0	0	0	0	0	0	0	0	0
100K-500K	0	0	0	0	0	0	0	0	0	0
500K-1M	0	0	0	0	0	0	0	0	0	0
> 1M	0	0	0	0	0	0	0	0	0	0
Surface Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	0	0	5	0	0	5	0	0	5	15
101-500	0	0	5	0	0	5	0	0	5	15
501-1K	0	0	10	0	0	10	0	0	10	30
1K-3.3K	0	0	10	0	0	10	0	0	10	30
3.3K-10K	0	0	20	0	0	20	0	0	20	60
10K-25K	0	0	30	0	0	30	0	0	30	90
25K-50K	0	0	30	0	0	30	0	0	30	90
50K-75K	0	0	0	0	0	0	0	0	0	0
75K-100K	0	0	0	0	0	0	0	0	0	0
100K-500K	0	0	0	0	0	0	0	0	0	0
500K-1M	0	0	0	0	0	0	0	0	0	0
> 1M	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													Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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
		2008	2009	2010	2011	2012	2013	2014	2015	2016										
		≤100	6,991	34,955	-	-	34,955	-	-	34,955										
101-500	8,242	41,210	-	-	41,210	-	-	41,210	-	-	41,210	13,737	8,242	2,747	164,840	54,947	\$ 5,338,179	\$ 1,779,393	\$ 283,598	\$ 94,533
501-1K	2,678	26,780	-	-	26,780	-	-	26,780	-	-	26,780	8,927	2,678	893	107,120	35,707	\$ 3,468,974	\$ 1,156,325	\$ 184,294	\$ 61,431
1K-3.3K	3,416	34,160	-	-	34,160	-	-	34,160	-	-	34,160	11,387	3,416	1,139	136,640	45,547	\$ 4,424,950	\$ 1,474,983	\$ 235,082	\$ 78,361
3.3K-10K	2,054	-	-	41,080	-	-	41,080	-	-	41,080	41,080	13,693	2,054	685	164,320	54,773	\$ 5,321,339	\$ 1,773,780	\$ 282,704	\$ 94,235
10K-25K	723	-	-	21,690	-	-	21,690	-	-	21,690	21,690	7,230	723	241	86,760	28,920	\$ 2,809,636	\$ 936,545	\$ 149,266	\$ 49,755
25K-50K	267	-	-	8,010	-	-	8,010	-	-	8,010	8,010	2,670	267	89	32,040	10,680	\$ 1,037,583	\$ 345,861	\$ 55,123	\$ 18,374
50K-75K	119	-	-	3,570	-	-	3,570	-	-	3,570	3,570	1,190	119	40	14,280	4,760	\$ 462,444	\$ 154,148	\$ 24,568	\$ 8,189
75K-100K	32	-	-	960	-	-	960	-	-	960	960	320	32	11	3,840	1,280	\$ 124,355	\$ 41,452	\$ 6,607	\$ 2,202
100K-500K	63	-	-	3,150	-	-	3,150	-	-	3,150	3,150	1,050	63	21	12,600	4,200	\$ 408,038	\$ 136,013	\$ 21,678	\$ 7,226
500K-1M	4	-	-	200	-	-	200	-	-	200	200	67	4	1	800	267	\$ 25,907	\$ 8,636	\$ 1,376	\$ 459
> 1M	3	-	-	150	-	-	150	-	-	150	150	50	3	1	600	200	\$ 19,430	\$ 6,477	\$ 1,032	\$ 344
Total	24,592	137,105	8,030	70,780	137,105	8,030	70,780	137,105	8,030	70,780	215,915	71,972	24,592	8,197	863,660	287,887	\$ 27,968,765	\$ 9,322,922	\$ 1,485,881	\$ 495,294

GROUND WATER: NTNCWSs													Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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
		2008	2009	2010	2011	2012	2013	2014	2015	2016										
		≤100	5,142	25,710	-	-	25,710	-	-	25,710										
101-500	3,880	19,400	-	-	19,400	-	-	19,400	-	-	19,400	6,467	3,880	1,293	77,600	25,867	\$ 2,512,998	\$ 837,566	\$ 133,507	\$ 44,502
501-1K	995	9,950	-	-	9,950	-	-	9,950	-	-	9,950	3,317	995	332	39,800	13,267	\$ 1,288,883	\$ 429,628	\$ 68,474	\$ 22,825
1K-3.3K	458	4,580	-	-	4,580	-	-	4,580	-	-	4,580	1,527	458	153	18,320	6,107	\$ 593,275	\$ 197,758	\$ 31,519	\$ 10,506
3.3K-10K	77	-	-	1,540	-	-	1,540	-	-	1,540	1,540	513	77	26	6,160	2,053	\$ 199,485	\$ 66,495	\$ 10,598	\$ 3,533
10K-25K	6	-	-	180	-	-	180	-	-	180	180	60	6	2	720	240	\$ 23,316	\$ 7,772	\$ 1,239	\$ 413
25K-50K	3	-	-	90	-	-	90	-	-	90	90	30	3	1	360	120	\$ 11,658	\$ 3,886	\$ 619	\$ 206
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	10,561	59,640	-	1,810	59,640	-	1,810	59,640	-	1,810	61,450	20,483	10,561	3,520	245,800	81,933	\$ 7,959,987	\$ 2,653,329	\$ 422,886	\$ 140,962

GROUND WATER: ALL SYSTEMS													Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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
		2008	2009	2010	2011	2012	2013	2014	2015	2016										
		≤100	12,133	60,665	-	-	60,665	-	-	60,665										
101-500	12,122	60,610	-	-	60,610	-	-	60,610	-	-	60,610	20,203	12,122	4,041	242,440	80,813	\$ 7,851,177	\$ 2,617,059	\$ 417,105	\$ 139,035
501-1K	3,673	36,730	-	-	36,730	-	-	36,730	-	-	36,730	12,243	3,673	1,224	146,920	48,973	\$ 4,757,857	\$ 1,585,952	\$ 252,768	\$ 84,256
1K-3.3K	3,874	38,740	-	-	38,740	-	-	38,740	-	-	38,740	12,913	3,874	1,291	154,960	51,653	\$ 5,018,225	\$ 1,672,742	\$ 266,600	\$ 88,867
3.3K-10K	2,131	-	-	42,620	-	-	42,620	-	-	42,620	42,620	14,207	2,131	710	170,480	56,827	\$ 5,520,824	\$ 1,840,275	\$ 293,302	\$ 97,767
10K-25K	729	-	-	21,870	-	-	21,870	-	-	21,870	21,870	7,290	729	243	87,480	29,160	\$ 2,832,952	\$ 944,317	\$ 150,505	\$ 50,168
25K-50K	270	-	-	8,100	-	-	8,100	-	-	8,100	8,100	2,700	270	90	32,400	10,800	\$ 1,049,242	\$ 349,747	\$ 55,742	\$ 18,581
50K-75K	119	-	-	3,570	-	-	3,570	-	-	3,570	3,570	1,190	119	40	14,280	4,760	\$ 462,444	\$ 154,148	\$ 24,568	\$ 8,189
75K-100K	32	-	-	960	-	-	960	-	-	960	960	320	32	11	3,840	1,280	\$ 124,355	\$ 41,452	\$ 6,607	\$ 2,202
100K-500K	63	-	-	3,150	-	-	3,150	-	-	3,150	3,150	1,050	63	21	12,600	4,200	\$ 408,038	\$ 136,013	\$ 21,678	\$ 7,226
500K-1M	4	-	-	200	-	-	200	-	-	200	200	67	4	1	800	267	\$ 25,907	\$ 8,636	\$ 1,376	\$ 459
> 1M	3	-	-	150	-	-	150	-	-	150	150	50	3	1	600	200	\$ 19,430	\$ 6,477	\$ 1,032	\$ 344
Total	35,153	196,745	8,030	72,590	196,745	8,030	72,590	196,745	8,030	72,590	277,365	92,455	35,153	11,718	1,109,460	369,820	\$ 35,928,753	\$ 11,976,251	\$ 1,908,767	\$ 636,256

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY (cont.)

Scenario1: Monitor Only (cont.)

SURFACE WATER: CWSs													Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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
		2008	2009	2010	2011	2012	2013	2014	2015	2016										
		≤100	590	2,950	-	-	2,950	-	-	2,950										
101-500	1,292	6,460	-	-	6,460	-	-	6,460	-	-	6,460	2,153	1,292	431	25,840	8,613	\$ 836,803	\$ 278,934	\$ 44,456	\$ 14,819
501-1K	704	7,040	-	-	7,040	-	-	7,040	-	-	7,040	2,347	704	235	28,160	9,387	\$ 911,933	\$ 303,978	\$ 48,448	\$ 16,149
1K-3.3K	1,516	15,160	-	-	15,160	-	-	15,160	-	-	15,160	5,053	1,516	505	60,640	20,213	\$ 1,963,766	\$ 654,589	\$ 104,328	\$ 34,776
3.3K-10K	1,608	-	-	32,160	-	-	32,160	-	-	-	32,160	10,720	1,608	536	128,640	42,880	\$ 4,165,878	\$ 1,388,626	\$ 221,318	\$ 73,773
10K-25K	947	-	-	28,410	-	-	28,410	-	-	-	28,410	9,470	947	316	113,640	37,880	\$ 3,680,118	\$ 1,226,706	\$ 195,512	\$ 65,171
25K-50K	493	-	-	14,790	-	-	14,790	-	-	-	14,790	4,930	493	164	59,160	19,720	\$ 1,915,837	\$ 638,612	\$ 101,782	\$ 33,927
50K-75K	250	-	7,500	-	-	7,500	-	-	7,500	-	7,500	2,500	250	83	30,000	10,000	\$ 971,520	\$ 323,840	\$ 51,613	\$ 17,204
75K-100K	138	-	4,140	-	-	4,140	-	-	4,140	-	4,140	1,380	138	46	16,560	5,520	\$ 536,279	\$ 178,760	\$ 28,491	\$ 9,497
100K-500K	292	-	14,600	-	-	14,600	-	-	14,600	-	14,600	4,867	292	97	58,400	19,467	\$ 1,891,226	\$ 630,409	\$ 100,474	\$ 33,941
500K-1M	30	-	1,500	-	-	1,500	-	-	1,500	-	1,500	500	30	10	6,000	2,000	\$ 194,304	\$ 64,768	\$ 10,323	\$ 3,441
> 1M	18	-	900	-	-	900	-	-	900	-	900	300	18	6	3,600	1,200	\$ 116,582	\$ 38,861	\$ 6,194	\$ 2,065
Total	7,878	31,610	28,640	75,360	31,610	28,640	75,360	31,610	28,640	75,360	135,610	45,203	7,878	2,626	542,440	180,813	\$ 17,566,377	\$ 5,855,459	\$ 933,239	\$ 311,008

SURFACE WATER: NTCWSS													Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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
		2008	2009	2010	2011	2012	2013	2014	2015	2016										
		≤100	154	770	-	-	770	-	-	770										
101-500	158	790	-	-	790	-	-	790	-	-	790	263	158	53	3,160	1,053	\$ 102,333	\$ 34,111	\$ 5,437	\$ 1,812
501-1K	52	520	-	-	520	-	-	520	-	-	520	173	52	17	2,080	693	\$ 67,359	\$ 22,453	\$ 3,579	\$ 1,193
1K-3.3K	45	450	-	-	450	-	-	450	-	-	450	150	45	15	1,800	600	\$ 58,291	\$ 19,430	\$ 3,097	\$ 1,032
3.3K-10K	22	-	-	440	-	-	440	-	-	-	440	147	22	7	1,760	587	\$ 56,996	\$ 18,999	\$ 3,028	\$ 1,009
10K-25K	3	-	-	90	-	-	90	-	-	-	90	30	3	1	360	120	\$ 11,658	\$ 3,866	\$ 619	\$ 206
25K-50K	2	-	-	60	-	-	60	-	-	-	60	20	2	1	240	80	\$ 7,772	\$ 2,591	\$ 413	\$ 138
50K-75K	1	-	30	-	-	30	-	-	30	-	30	10	1	0	120	40	\$ 3,886	\$ 1,295	\$ 206	\$ 69
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	1	-	50	-	-	50	-	-	50	-	50	17	1	0	200	67	\$ 6,477	\$ 2,159	\$ 344	\$ 115
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	438	2,530	80	590	2,530	80	590	2,530	80	590	3,200	1,067	438	146	12,800	4,267	\$ 414,515	\$ 138,172	\$ 22,022	\$ 7,341

SURFACE WATER: ALL SYSTEMS													Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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
		2008	2009	2010	2011	2012	2013	2014	2015	2016										
		≤100	744	3,720	-	-	3,720	-	-	3,720										
101-500	1,450	7,250	-	-	7,250	-	-	7,250	-	-	7,250	2,417	1,450	483	29,000	9,667	\$ 939,136	\$ 313,045	\$ 49,893	\$ 16,631
501-1K	756	7,560	-	-	7,560	-	-	7,560	-	-	7,560	2,520	756	252	30,240	10,080	\$ 979,292	\$ 326,431	\$ 52,026	\$ 17,342
1K-3.3K	1,561	15,610	-	-	15,610	-	-	15,610	-	-	15,610	5,203	1,561	520	62,440	20,813	\$ 2,022,057	\$ 674,019	\$ 107,425	\$ 35,808
3.3K-10K	1,630	-	-	32,600	-	-	32,600	-	-	-	32,600	10,867	1,630	543	130,400	43,467	\$ 4,222,874	\$ 1,407,625	\$ 224,346	\$ 74,782
10K-25K	950	-	-	28,500	-	-	28,500	-	-	-	28,500	9,500	950	317	114,000	38,000	\$ 3,691,776	\$ 1,230,592	\$ 196,131	\$ 65,377
25K-50K	495	-	-	14,850	-	-	14,850	-	-	-	14,850	4,950	495	165	59,400	19,800	\$ 1,923,610	\$ 641,203	\$ 102,195	\$ 34,065
50K-75K	251	-	7,530	-	-	7,530	-	-	7,530	-	7,530	2,510	251	84	30,120	10,040	\$ 975,406	\$ 325,135	\$ 51,820	\$ 17,273
75K-100K	138	-	4,140	-	-	4,140	-	-	4,140	-	4,140	1,380	138	46	16,560	5,520	\$ 536,279	\$ 178,760	\$ 28,491	\$ 9,497
100K-500K	293	-	14,650	-	-	14,650	-	-	14,650	-	14,650	4,883	293	98	58,600	19,533	\$ 1,897,702	\$ 632,567	\$ 100,818	\$ 33,606
500K-1M	30	-	1,500	-	-	1,500	-	-	1,500	-	1,500	500	30	10	6,000	2,000	\$ 194,304	\$ 64,768	\$ 10,323	\$ 3,441
> 1M	18	-	900	-	-	900	-	-	900	-	900	300	18	6	3,600	1,200	\$ 116,582	\$ 38,861	\$ 6,194	\$ 2,065
Total	8,316	34,140	28,720	75,950	34,140	28,720	75,950	34,140	28,720	75,950	138,810	46,270	8,316	2,772	555,240	185,080	\$ 17,980,892	\$ 5,993,631	\$ 955,261	\$ 318,420

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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	644	-	-	3,220	-	-	3,220	-	-	3,220	3,220	1,073	644	215	12,880	4,293	\$ 417,106	\$ 139,035	\$ 22,159	\$ 7,386
101-500	763	-	-	3,815	-	-	3,815	-	-	3,815	3,815	1,272	763	254	15,260	5,087	\$ 494,180	\$ 164,727	\$ 26,254	\$ 8,751
501-1K	252	-	-	2,520	-	-	2,520	-	-	2,520	2,520	840	252	84	10,080	3,360	\$ 326,431	\$ 108,810	\$ 17,342	\$ 5,781
1K-3.3K	322	-	-	3,220	-	-	3,220	-	-	3,220	3,220	1,073	322	107	12,880	4,293	\$ 417,106	\$ 139,035	\$ 22,159	\$ 7,386
3.3K-10K	124	-	2,480	-	-	2,480	-	-	2,480	-	2,480	827	124	41	9,920	3,307	\$ 321,249	\$ 107,083	\$ 17,067	\$ 5,689
10K-25K	44	-	1,320	-	-	1,320	-	-	1,320	-	1,320	440	44	15	5,280	1,760	\$ 170,988	\$ 56,996	\$ 9,084	\$ 3,028
25K-50K	16	-	480	-	-	480	-	-	480	-	480	160	16	5	1,920	640	\$ 62,177	\$ 20,726	\$ 3,303	\$ 1,101
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	2,165	-	4,280	12,775	-	4,280	12,775	-	4,280	12,775	17,055	5,685	2,165	722	68,220	22,740	\$2,209,236	\$ 736,412	\$ 117,369	\$ 39,123

GROUND WATER: NTCWSs																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	435	-	-	2,175	-	-	2,175	-	-	2,175	2,175	725	435	145	8,700	2,900	\$ 281,741	\$ 93,914	\$ 14,968	\$ 4,989
101-500	320	-	-	1,600	-	-	1,600	-	-	1,600	1,600	533	320	107	6,400	2,133	\$ 207,258	\$ 69,086	\$ 11,011	\$ 3,670
501-1K	83	-	-	830	-	-	830	-	-	830	830	277	83	28	3,320	1,107	\$ 107,515	\$ 35,838	\$ 5,712	\$ 1,904
1K-3.3K	38	-	-	380	-	-	380	-	-	380	380	127	38	13	1,520	507	\$ 49,224	\$ 16,408	\$ 2,615	\$ 872
3.3K-10K	4	-	80	-	-	80	-	-	80	-	80	27	4	1	320	107	\$ 10,363	\$ 3,454	\$ 551	\$ 184
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	880	-	80	4,985	-	80	4,985	-	80	4,985	5,065	1,688	880	293	20,260	6,753	\$ 656,100	\$ 218,700	\$ 34,856	\$ 11,619

GROUND WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	1,079	-	-	5,395	-	-	5,395	-	-	5,395	5,395	1,798	1,079	360	21,580	7,193	\$ 698,847	\$ 232,949	\$ 37,127	\$ 12,376
101-500	1,083	-	-	5,415	-	-	5,415	-	-	5,415	5,415	1,805	1,083	361	21,660	7,220	\$ 701,437	\$ 233,812	\$ 37,265	\$ 12,422
501-1K	335	-	-	3,350	-	-	3,350	-	-	3,350	3,350	1,117	335	112	13,400	4,467	\$ 433,946	\$ 144,649	\$ 23,054	\$ 7,685
1K-3.3K	360	-	-	3,600	-	-	3,600	-	-	3,600	3,600	1,200	360	120	14,400	4,800	\$ 466,330	\$ 155,443	\$ 24,774	\$ 8,258
3.3K-10K	128	-	2,560	-	-	2,560	-	-	2,560	-	2,560	853	128	43	10,240	3,413	\$ 331,612	\$ 110,537	\$ 17,617	\$ 5,872
10K-25K	44	-	1,320	-	-	1,320	-	-	1,320	-	1,320	440	44	15	5,280	1,760	\$ 170,988	\$ 56,996	\$ 9,084	\$ 3,028
25K-50K	16	-	480	-	-	480	-	-	480	-	480	160	16	5	1,920	640	\$ 62,177	\$ 20,726	\$ 3,303	\$ 1,101
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	3,045	-	4,360	17,760	-	4,360	17,760	-	4,360	17,760	22,120	7,373	3,045	1,015	88,480	29,493	\$2,865,336	\$ 955,112	\$ 152,225	\$ 50,742

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY (cont.)

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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	54	-	-	270	-	-	270	-	-	270	270	90	54	18	1,080	360	\$ 34,975	\$ 11,658
101-500	119	-	-	595	-	-	595	-	-	595	595	198	119	40	2,380	793	\$ 77,074	\$ 25,691	\$ 4,095	\$ 1,365
501-1K	66	-	-	660	-	-	660	-	-	660	660	220	66	22	2,640	880	\$ 85,494	\$ 28,498	\$ 4,542	\$ 1,514
1K-3.3K	143	-	-	1,430	-	-	1,430	-	-	1,430	1,430	477	143	48	5,720	1,907	\$ 185,236	\$ 61,745	\$ 9,841	\$ 3,280
3.3K-10K	97	-	1,940	-	-	1,940	-	-	1,940	-	1,940	647	97	32	7,760	2,587	\$ 251,300	\$ 83,767	\$ 13,351	\$ 4,450
10K-25K	58	-	1,740	-	-	1,740	-	-	1,740	-	1,740	580	58	19	6,960	2,320	\$ 225,393	\$ 75,131	\$ 11,974	\$ 3,991
25K-50K	30	-	900	-	-	900	-	-	900	-	900	300	30	10	3,600	1,200	\$ 116,582	\$ 38,861	\$ 6,194	\$ 2,065
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	567	-	4,580	2,955	-	4,580	2,955	-	4,580	2,955	7,535	2,512	567	189	30,140	10,047	\$ 976,054	\$ 325,351	\$ 51,854	\$ 17,285

SURFACE WATER: NTCWSs																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	\$ 8,420	\$ 2,807
101-500	13	-	-	65	-	-	65	-	-	65	65	22	13	4	260	87	\$ 8,420	\$ 2,807	\$ 447	\$ 149
501-1K	4	-	-	40	-	-	40	-	-	40	40	13	4	1	160	53	\$ 5,181	\$ 1,727	\$ 275	\$ 92
1K-3.3K	4	-	-	40	-	-	40	-	-	40	40	13	4	1	160	53	\$ 5,181	\$ 1,727	\$ 275	\$ 92
3.3K-10K	1	-	20	-	-	20	-	-	20	-	20	7	1	0	80	27	\$ 2,591	\$ 864	\$ 138	\$ 46
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	35	-	20	210	-	20	210	-	20	210	230	77	35	12	920	307	\$ 29,793	\$ 9,931	\$ 1,583	\$ 528

SURFACE WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	67	-	-	335	-	-	335	-	-	335	335	112	67	22	1,340	447	\$ 43,395	\$ 14,465
101-500	132	-	-	660	-	-	660	-	-	660	660	220	132	44	2,640	880	\$ 85,494	\$ 28,498	\$ 4,542	\$ 1,514
501-1K	70	-	-	700	-	-	700	-	-	700	700	233	70	23	2,800	933	\$ 90,675	\$ 30,225	\$ 4,817	\$ 1,606
1K-3.3K	147	-	-	1,470	-	-	1,470	-	-	1,470	1,470	490	147	49	5,880	1,960	\$ 190,418	\$ 63,473	\$ 10,116	\$ 3,372
3.3K-10K	98	-	1,960	-	-	1,960	-	-	1,960	-	1,960	653	98	33	7,840	2,613	\$ 253,891	\$ 84,630	\$ 13,488	\$ 4,496
10K-25K	58	-	1,740	-	-	1,740	-	-	1,740	-	1,740	580	58	19	6,960	2,320	\$ 225,393	\$ 75,131	\$ 11,974	\$ 3,991
25K-50K	30	-	900	-	-	900	-	-	900	-	900	300	30	10	3,600	1,200	\$ 116,582	\$ 38,861	\$ 6,194	\$ 2,065
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	602	-	4,600	3,165	-	4,600	3,165	-	4,600	3,165	7,765	2,588	602	201	31,060	10,353	\$1,005,847	\$ 335,282	\$ 53,437	\$ 17,812

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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	1,932	-	9,660	-	-	9,660	-	-	9,660	-	9,660	3,220	1,932	644	38,640	12,880	\$ 1,251,318	\$ 417,106
101-500	2,288	-	11,440	-	-	11,440	-	-	11,440	-	11,440	3,813	2,288	763	45,760	15,253	\$ 1,481,892	\$ 493,964	\$ 78,728	\$ 28,243
501-1K	755	-	7,550	-	-	7,550	-	-	7,550	-	7,550	2,517	755	252	30,200	10,067	\$ 977,997	\$ 325,999	\$ 51,957	\$ 17,319
1K-3.3K	965	-	9,650	-	-	9,650	-	-	9,650	-	9,650	3,217	965	322	38,600	12,867	\$ 1,250,022	\$ 416,674	\$ 66,409	\$ 22,136
3.3K-10K	373	7,460	-	-	7,460	-	-	7,460	-	7,460	2,487	373	124	29,840	9,947	\$ 966,339	\$ 322,113	\$ 51,338	\$ 17,113	
10K-25K	132	3,960	-	-	3,960	-	-	3,960	-	3,960	1,320	132	44	15,840	5,280	\$ 512,963	\$ 170,988	\$ 27,252	\$ 9,084	
25K-50K	48	1,440	-	-	1,440	-	-	1,440	-	1,440	480	48	16	5,760	1,920	\$ 186,532	\$ 62,177	\$ 9,910	\$ 3,303	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	6,493	12,860	38,300	-	12,860	38,300	-	12,860	38,300	-	51,160	17,053	6,493	2,164	204,840	68,213	\$ 6,627,062	\$ 2,209,021	\$ 352,072	\$ 117,357

GROUND WATER: NTCWSS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	1,306	-	6,530	-	-	6,530	-	-	6,530	-	6,530	2,177	1,306	435	26,120	8,707	\$ 845,870	\$ 281,957
101-500	959	-	4,795	-	-	4,795	-	-	4,795	-	4,795	1,598	959	320	19,180	6,393	\$ 621,125	\$ 207,042	\$ 32,998	\$ 10,999
501-1K	248	-	2,480	-	-	2,480	-	-	2,480	-	2,480	827	248	83	9,920	3,307	\$ 321,249	\$ 107,083	\$ 17,067	\$ 5,689
1K-3.3K	115	-	1,150	-	-	1,150	-	-	1,150	-	1,150	383	115	38	4,600	1,533	\$ 148,966	\$ 49,655	\$ 7,914	\$ 2,638
3.3K-10K	11	220	-	-	220	-	-	220	-	220	73	11	4	880	293	\$ 28,498	\$ 9,499	\$ 1,514	\$ 505	
10K-25K	1	30	-	-	30	-	-	30	-	30	10	1	0	120	40	\$ 3,886	\$ 1,295	\$ 206	\$ 69	
25K-50K	1	30	-	-	30	-	-	30	-	30	10	1	0	120	40	\$ 3,886	\$ 1,295	\$ 206	\$ 69	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	2,641	280	14,955	-	280	14,955	-	280	14,955	-	15,235	5,078	2,641	880	60,940	20,313	\$ 1,973,481	\$ 657,827	\$ 104,844	\$ 34,948

GROUND WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	3,238	-	16,190	-	-	16,190	-	-	16,190	-	16,190	5,397	3,238	1,079	64,760	21,587	\$ 2,097,188	\$ 699,063
101-500	3,247	-	16,235	-	-	16,235	-	-	16,235	-	16,235	5,412	3,247	1,082	64,940	21,647	\$ 2,103,017	\$ 701,006	\$ 111,726	\$ 37,242
501-1K	1,003	-	10,030	-	-	10,030	-	-	10,030	-	10,030	3,343	1,003	334	40,120	13,373	\$ 1,299,246	\$ 433,082	\$ 69,024	\$ 23,008
1K-3.3K	1,080	-	10,800	-	-	10,800	-	-	10,800	-	10,800	3,600	1,080	360	43,200	14,400	\$ 1,399,989	\$ 466,330	\$ 74,323	\$ 24,774
3.3K-10K	384	7,680	-	-	7,680	-	-	7,680	-	7,680	2,560	384	128	30,720	10,240	\$ 994,836	\$ 331,612	\$ 52,852	\$ 17,617	
10K-25K	133	3,990	-	-	3,990	-	-	3,990	-	3,990	1,330	133	44	15,960	5,320	\$ 516,849	\$ 172,283	\$ 27,458	\$ 9,153	
25K-50K	49	1,470	-	-	1,470	-	-	1,470	-	1,470	490	49	16	5,880	1,960	\$ 190,418	\$ 63,473	\$ 10,116	\$ 3,372	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	9,134	13,140	53,255	-	13,140	53,255	-	13,140	53,255	-	66,395	22,132	9,134	3,045	265,580	88,527	\$ 8,600,543	\$ 2,866,848	\$ 456,916	\$ 152,305

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN AND COST SUMMARY (Cont.)

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

SURFACE WATER: CWSs													Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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
		2008	2009	2010	2011	2012	2013	2014	2015	2016										
≤100	163	-	815	-	-	815	-	-	815	-	815	272	163	54	3,260	1,087	\$ 105,572	\$ 35,191	\$ 5,609	\$ 1,870
101-500	358	-	1,790	-	-	1,790	-	-	1,790	-	1,790	597	358	119	7,160	2,387	\$ 231,869	\$ 77,290	\$ 12,318	\$ 4,106
501-1K	198	-	1,980	-	-	1,980	-	-	1,980	-	1,980	660	198	66	7,920	2,640	\$ 256,481	\$ 85,494	\$ 13,626	\$ 4,542
1K-3.3K	429	-	4,290	-	-	4,290	-	-	4,290	-	4,290	1,430	429	143	17,160	5,720	\$ 555,709	\$ 185,236	\$ 29,523	\$ 9,841
3.3K-10K	292	5,840	-	-	5,840	-	-	5,840	-	5,840	1,947	292	97	23,360	7,787	\$ 756,490	\$ 252,163	\$ 40,190	\$ 13,397	
10K-25K	173	5,190	-	-	5,190	-	-	5,190	-	5,190	1,730	173	58	20,760	6,920	\$ 672,292	\$ 224,097	\$ 35,716	\$ 11,905	
25K-50K	89	2,670	-	-	2,670	-	-	2,670	-	2,670	890	89	30	10,680	3,560	\$ 345,861	\$ 115,287	\$ 18,374	\$ 6,125	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	1,702	13,700	8,875	-	13,700	8,875	-	13,700	8,875	-	22,575	7,525	1,702	567	90,300	30,100	\$ 2,924,275	\$ 974,758	\$ 155,356	\$ 51,785

SURFACE WATER: NTNCWSs													Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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
		2008	2009	2010	2011	2012	2013	2014	2015	2016										
≤100	39	-	195	-	-	195	-	-	195	-	195	65	39	13	780	260	\$ 25,260	\$ 8,420	\$ 1,342	\$ 447
101-500	39	-	195	-	-	195	-	-	195	-	195	65	39	13	780	260	\$ 25,260	\$ 8,420	\$ 1,342	\$ 447
501-1K	13	-	130	-	-	130	-	-	130	-	130	43	13	4	520	173	\$ 16,840	\$ 5,613	\$ 895	\$ 298
1K-3.3K	11	-	110	-	-	110	-	-	110	-	110	37	11	4	440	147	\$ 14,249	\$ 4,750	\$ 757	\$ 252
3.3K-10K	3	60	-	-	60	-	-	60	-	60	20	3	1	240	80	\$ 7,772	\$ 2,591	\$ 413	\$ 138	
10K-25K	1	30	-	-	30	-	-	30	-	30	10	1	0	120	40	\$ 3,886	\$ 1,295	\$ 206	\$ 69	
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	106	90	630	-	90	630	-	90	630	-	720	240	106	35	2,880	960	\$ 93,266	\$ 31,089	\$ 4,955	\$ 1,652

SURFACE WATER: ALL SYSTEMS													Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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
		2008	2009	2010	2011	2012	2013	2014	2015	2016										
≤100	202	-	1,010	-	-	1,010	-	-	1,010	-	1,010	337	202	67	4,040	1,347	\$ 130,831	\$ 43,610	\$ 6,951	\$ 2,317
101-500	397	-	1,985	-	-	1,985	-	-	1,985	-	1,985	662	397	132	7,940	2,647	\$ 257,129	\$ 85,710	\$ 13,660	\$ 4,553
501-1K	211	-	2,110	-	-	2,110	-	-	2,110	-	2,110	703	211	70	8,440	2,813	\$ 273,321	\$ 91,107	\$ 14,521	\$ 4,840
1K-3.3K	440	-	4,400	-	-	4,400	-	-	4,400	-	4,400	1,467	440	147	17,600	5,867	\$ 569,958	\$ 189,986	\$ 30,280	\$ 10,093
3.3K-10K	295	5,900	-	-	5,900	-	-	5,900	-	5,900	1,967	295	98	23,600	7,867	\$ 764,262	\$ 254,754	\$ 40,603	\$ 13,534	
10K-25K	174	5,220	-	-	5,220	-	-	5,220	-	5,220	1,740	174	58	20,880	6,960	\$ 676,178	\$ 225,393	\$ 35,923	\$ 11,974	
25K-50K	89	2,670	-	-	2,670	-	-	2,670	-	2,670	890	89	30	10,680	3,560	\$ 345,861	\$ 115,287	\$ 18,374	\$ 6,125	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	1,808	13,790	9,505	-	13,790	9,505	-	13,790	9,505	-	23,295	7,765	1,808	603	93,180	31,060	\$ 3,017,541	\$ 1,005,847	\$ 160,311	\$ 53,437

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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	69	690	690	690	690	690	690	690	690	690	2,070	690	414	138	8,280	2,760	\$ 268,140	\$ 89,380
101-500	77	1,540	1,540	1,540	1,540	1,540	1,540	1,540	1,540	1,540	4,620	1,540	924	308	18,480	6,160	\$ 598,456	\$ 199,485	\$ 31,794	\$ 10,698
501-1K	20	800	800	800	800	800	800	800	800	800	2,400	800	240	80	9,600	3,200	\$ 310,886	\$ 103,629	\$ 16,516	\$ 5,505
1K-3.3K	25	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	3,000	1,000	300	100	12,000	4,000	\$ 388,608	\$ 129,536	\$ 20,645	\$ 6,882
3.3K-10K	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	\$ 497,418	\$ 165,806	\$ 26,426	\$ 8,809
10K-25K	5	600	600	600	600	600	600	600	600	600	1,800	600	60	20	7,200	2,400	\$ 233,165	\$ 77,722	\$ 12,387	\$ 4,129
25K-50K	2	240	240	240	240	240	240	240	240	240	720	240	24	8	2,880	960	\$ 93,266	\$ 31,089	\$ 4,955	\$ 1,652
50K-75K	1	120	120	120	120	120	120	120	120	120	360	120	12	4	1,440	480	\$ 46,633	\$ 15,544	\$ 2,477	\$ 826
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	215	6,270	6,270	6,270	6,270	6,270	6,270	6,270	6,270	6,270	18,810	6,270	2,166	722	75,240	25,080	\$ 2,436,572	\$ 812,191	\$ 129,446	\$ 43,149

GROUND WATER: NTCWSS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	99	990	990	990	990	990	990	990	990	990	2,970	990	594	198	11,880	3,960	\$ 384,722	\$ 128,241
101-500	86	1,720	1,720	1,720	1,720	1,720	1,720	1,720	1,720	1,720	5,160	1,720	1,032	344	20,640	6,880	\$ 668,406	\$ 222,802	\$ 35,510	\$ 11,837
501-1K	21	840	840	840	840	840	840	840	840	840	2,520	840	252	84	10,080	3,360	\$ 326,431	\$ 108,810	\$ 17,342	\$ 5,781
1K-3.3K	10	400	400	400	400	400	400	400	400	400	1,200	400	120	40	4,800	1,600	\$ 155,443	\$ 51,814	\$ 8,258	\$ 2,753
3.3K-10K	2	160	160	160	160	160	160	160	160	160	480	160	24	8	1,920	640	\$ 62,177	\$ 20,726	\$ 3,303	\$ 1,101
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	218	4,110	4,110	4,110	4,110	4,110	4,110	4,110	4,110	4,110	12,330	4,110	2,022	674	49,320	16,440	\$ 1,597,179	\$ 532,393	\$ 84,852	\$ 28,284

GROUND WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	1,680	1,680	1,680	1,680	1,680	1,680	1,680	1,680	1,680	5,040	1,680	1,008	336	20,160	6,720	\$ 652,861	\$ 217,620
101-500	163	3,260	3,260	3,260	3,260	3,260	3,260	3,260	3,260	3,260	9,780	3,260	1,956	652	39,120	13,040	\$ 1,266,862	\$ 422,287	\$ 67,304	\$ 22,435
501-1K	41	1,640	1,640	1,640	1,640	1,640	1,640	1,640	1,640	1,640	4,920	1,640	492	164	19,680	6,560	\$ 637,317	\$ 212,439	\$ 33,858	\$ 11,286
1K-3.3K	35	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	4,200	1,400	420	140	16,800	5,600	\$ 544,051	\$ 181,350	\$ 28,904	\$ 9,635
3.3K-10K	18	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	4,320	1,440	216	72	17,280	5,760	\$ 559,596	\$ 186,532	\$ 29,729	\$ 9,910
10K-25K	5	600	600	600	600	600	600	600	600	600	1,800	600	60	20	7,200	2,400	\$ 233,165	\$ 77,722	\$ 12,387	\$ 4,129
25K-50K	2	240	240	240	240	240	240	240	240	240	720	240	24	8	2,880	960	\$ 93,266	\$ 31,089	\$ 4,955	\$ 1,652
50K-75K	1	120	120	120	120	120	120	120	120	120	360	120	12	4	1,440	480	\$ 46,633	\$ 15,544	\$ 2,477	\$ 826
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	433	10,380	10,380	10,380	10,380	10,380	10,380	10,380	10,380	10,380	31,140	10,380	4,188	1,396	124,560	41,520	\$ 4,033,751	\$ 1,344,584	\$ 214,299	\$ 71,433

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY (cont.)

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

SURFACE WATER: CWSS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	60	60	60	60	60	60	60	60	180	60	36	12	720	240	\$ 23,316	\$ 7,772	\$ 1,239
101-500	12	240	240	240	240	240	240	240	240	720	240	144	48	2,880	960	\$ 93,266	\$ 31,089	\$ 4,955	\$ 1,652	
501-1K	5	200	200	200	200	200	200	200	200	600	200	60	20	2,400	800	\$ 77,722	\$ 25,907	\$ 4,129	\$ 1,376	
1K-3.3K	11	440	440	440	440	440	440	440	440	1,320	440	132	44	5,280	1,760	\$ 170,988	\$ 56,996	\$ 9,084	\$ 3,028	
3.3K-10K	12	960	960	960	960	960	960	960	960	2,880	960	144	48	11,520	3,840	\$ 373,064	\$ 124,355	\$ 19,820	\$ 6,607	
10K-25K	7	840	840	840	840	840	840	840	840	2,520	840	84	28	10,080	3,360	\$ 326,431	\$ 108,810	\$ 17,342	\$ 5,781	
25K-50K	4	480	480	480	480	480	480	480	480	1,440	480	48	16	5,760	1,920	\$ 186,532	\$ 62,177	\$ 9,910	\$ 3,303	
50K-75K	3	360	360	360	360	360	360	360	360	1,080	360	36	12	4,320	1,440	\$ 139,899	\$ 46,633	\$ 7,432	\$ 2,477	
75K-100K	1	120	120	120	120	120	120	120	120	360	120	12	4	1,440	480	\$ 46,633	\$ 15,544	\$ 2,477	\$ 826	
100K-500K	2	400	400	400	400	400	400	400	400	1,200	400	24	8	4,800	1,600	\$ 155,443	\$ 51,814	\$ 8,258	\$ 2,753	
500K-1M	1	200	200	200	200	200	200	200	200	600	200	12	4	2,400	800	\$ 77,722	\$ 25,907	\$ 4,129	\$ 1,376	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	64	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	12,900	4,300	732	244	51,600	17,200	\$ 1,671,014	\$ 557,005	\$ 88,775	\$ 29,592	

SURFACE WATER: NTCWSS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	90	30	36	12	360	120	\$ 11,658	\$ 3,886	\$ 619
101-500	3	60	60	60	60	60	60	60	60	180	60	180	60	720	240	\$ 23,316	\$ 7,772	\$ 1,239	\$ 413	
501-1K	1	40	40	40	40	40	40	40	40	120	40	12	4	480	160	\$ 15,544	\$ 5,181	\$ 826	\$ 275	
1K-3.3K	1	40	40	40	40	40	40	40	40	120	40	12	4	480	160	\$ 15,544	\$ 5,181	\$ 826	\$ 275	
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	8	170	170	170	170	170	170	170	170	510	170	78	26	2,040	680	\$ 66,063	\$ 22,021	\$ 3,510	\$ 1,170	

SURFACE WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	90	90	90	90	90	90	90	90	270	90	54	18	1,080	360	\$ 34,975	\$ 11,658	\$ 1,858
101-500	15	300	300	300	300	300	300	300	300	900	300	180	60	3,600	1,200	\$ 116,582	\$ 38,861	\$ 6,194	\$ 2,065	
501-1K	6	240	240	240	240	240	240	240	240	720	240	72	24	2,880	960	\$ 93,266	\$ 31,089	\$ 4,955	\$ 1,652	
1K-3.3K	12	480	480	480	480	480	480	480	480	1,440	480	144	48	5,760	1,920	\$ 186,532	\$ 62,177	\$ 9,910	\$ 3,303	
3.3K-10K	12	960	960	960	960	960	960	960	960	2,880	960	144	48	11,520	3,840	\$ 373,064	\$ 124,355	\$ 19,820	\$ 6,607	
10K-25K	7	840	840	840	840	840	840	840	840	2,520	840	84	28	10,080	3,360	\$ 326,431	\$ 108,810	\$ 17,342	\$ 5,781	
25K-50K	4	480	480	480	480	480	480	480	480	1,440	480	48	16	5,760	1,920	\$ 186,532	\$ 62,177	\$ 9,910	\$ 3,303	
50K-75K	3	360	360	360	360	360	360	360	360	1,080	360	36	12	4,320	1,440	\$ 139,899	\$ 46,633	\$ 7,432	\$ 2,477	
75K-100K	1	120	120	120	120	120	120	120	120	360	120	12	4	1,440	480	\$ 46,633	\$ 15,544	\$ 2,477	\$ 826	
100K-500K	2	400	400	400	400	400	400	400	400	1,200	400	24	8	4,800	1,600	\$ 155,443	\$ 51,814	\$ 8,258	\$ 2,753	
500K-1M	1	200	200	200	200	200	200	200	200	600	200	12	4	2,400	800	\$ 77,722	\$ 25,907	\$ 4,129	\$ 1,376	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	72	4,470	4,470	4,470	4,470	4,470	4,470	4,470	4,470	13,410	4,470	810	270	53,640	17,880	\$ 1,737,078	\$ 579,026	\$ 92,285	\$ 30,762	

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

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

GROUND WATER: CWSS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	207	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070	2,070
101-500	231	4,620	4,620	4,620	4,620	4,620	4,620	4,620	4,620	4,620	4,620	4,620	4,620	4,620	4,620	4,620	4,620	4,620	4,620	4,620
501-1K	61	2,440	2,440	2,440	2,440	2,440	2,440	2,440	2,440	2,440	2,440	2,440	2,440	2,440	2,440	2,440	2,440	2,440	2,440	2,440
1K-3.3K	74	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960
3.3K-10K	47	3,760	3,760	3,760	3,760	3,760	3,760	3,760	3,760	3,760	3,760	3,760	3,760	3,760	3,760	3,760	3,760	3,760	3,760	3,760
10K-25K	15	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800
25K-50K	6	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720
50K-75K	4	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480
75K-100K	1	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
100K-500K	1	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	647	19,170	19,170	19,170	19,170	19,170	19,170	19,170	19,170	19,170	19,170	19,170	19,170	19,170	19,170	19,170	19,170	19,170	19,170	19,170

GROUND WATER: NTCWSS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	296	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960
101-500	257	5,140	5,140	5,140	5,140	5,140	5,140	5,140	5,140	5,140	5,140	5,140	5,140	5,140	5,140	5,140	5,140	5,140	5,140	5,140
501-1K	63	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,520
1K-3.3K	29	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160	1,160
3.3K-10K	5	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	650	12,180	12,180	12,180	12,180	12,180	12,180	12,180	12,180	12,180	12,180	12,180	12,180	12,180	12,180	12,180	12,180	12,180	12,180	12,180

GROUND WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	503	5,030	5,030	5,030	5,030	5,030	5,030	5,030	5,030	5,030	5,030	5,030	5,030	5,030	5,030	5,030	5,030	5,030	5,030	5,030
101-500	488	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760	9,760
501-1K	124	4,960	4,960	4,960	4,960	4,960	4,960	4,960	4,960	4,960	4,960	4,960	4,960	4,960	4,960	4,960	4,960	4,960	4,960	4,960
1K-3.3K	103	4,120	4,120	4,120	4,120	4,120	4,120	4,120	4,120	4,120	4,120	4,120	4,120	4,120	4,120	4,120	4,120	4,120	4,120	4,120
3.3K-10K	52	4,160	4,160	4,160	4,160	4,160	4,160	4,160	4,160	4,160	4,160	4,160	4,160	4,160	4,160	4,160	4,160	4,160	4,160	4,160
10K-25K	15	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800
25K-50K	6	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720
50K-75K	4	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480
75K-100K	1	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
100K-500K	1	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1,297	31,350	31,350	31,350	31,350	31,350	31,350	31,350	31,350	31,350	31,350	31,350	31,350	31,350	31,350	31,350	31,350	31,350	31,350	31,350

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY (cont.)

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

SURFACE WATER: CWSs																									
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)										Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)													
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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					
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	170	170	170	170	170	170	170	170	170	170	170	170	170	170	510	170	102	34	2,040	680	\$ 66,063	\$ 22,021	\$ 3,510	\$ 1,170
101-500	36	720	720	720	720	720	720	720	720	720	720	720	720	720	2,160	720	432	144	8,640	2,880	\$ 279,798	\$ 93,266	\$ 14,865	\$ 4,955	
501-1K	16	640	640	640	640	640	640	640	640	640	640	640	640	640	1,920	640	192	64	7,680	2,560	\$ 248,709	\$ 82,903	\$ 13,213	\$ 4,404	
1K-3.3K	33	1,320	1,320	1,320	1,320	1,320	1,320	1,320	1,320	1,320	1,320	1,320	1,320	1,320	3,960	1,320	396	132	15,840	5,280	\$ 512,963	\$ 170,988	\$ 27,252	\$ 9,084	
3.3K-10K	37	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	2,960	8,880	2,960	444	148	35,520	11,840	\$ 1,150,280	\$ 383,427	\$ 61,110	\$ 20,370	
10K-25K	20	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	7,200	2,400	240	80	28,800	9,600	\$ 932,659	\$ 310,886	\$ 49,549	\$ 16,516	
25K-50K	12	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	4,320	1,440	144	48	17,280	5,760	\$ 559,596	\$ 186,532	\$ 29,729	\$ 9,910	
50K-75K	9	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	3,240	1,080	108	36	12,960	4,320	\$ 419,697	\$ 139,899	\$ 22,297	\$ 7,432	
75K-100K	2	240	240	240	240	240	240	240	240	240	240	240	240	240	720	240	24	8	2,880	960	\$ 93,266	\$ 31,089	\$ 4,955	\$ 1,652	
100K-500K	7	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	4,200	1,400	84	28	16,800	5,600	\$ 544,051	\$ 181,350	\$ 28,904	\$ 9,635	
500K-1M	2	400	400	400	400	400	400	400	400	400	400	400	400	400	1,200	400	24	8	4,800	1,600	\$ 155,443	\$ 51,814	\$ 8,258	\$ 2,753	
> 1M	1	200	200	200	200	200	200	200	200	200	200	200	200	200	600	200	12	4	2,400	800	\$ 77,722	\$ 25,907	\$ 4,129	\$ 1,376	
Total	192	12,970	12,970	12,970	12,970	12,970	12,970	12,970	12,970	12,970	12,970	12,970	12,970	12,970	38,910	12,970	2,202	734	155,640	51,880	\$ 5,040,246	\$ 1,680,082	\$ 267,770	\$ 89,257	

SURFACE WATER: NTCWSs																								
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)										Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)												
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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				
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	90	90	90	90	90	90	90	90	90	90	90	90	90	270	90	54	18	1,080	360	\$ 34,975	\$ 11,658	\$ 1,858	\$ 619
101-500	10	200	200	200	200	200	200	200	200	200	200	200	200	200	600	200	120	40	2,400	800	\$ 77,722	\$ 25,907	\$ 4,129	\$ 1,376
501-1K	3	120	120	120	120	120	120	120	120	120	120	120	120	120	360	120	36	12	1,440	480	\$ 46,633	\$ 15,544	\$ 2,477	\$ 826
1K-3.3K	3	120	120	120	120	120	120	120	120	120	120	120	120	120	360	120	36	12	1,440	480	\$ 46,633	\$ 15,544	\$ 2,477	\$ 826
3.3K-10K	1	80	80	80	80	80	80	80	80	80	80	80	80	80	240	80	12	4	960	320	\$ 31,089	\$ 10,363	\$ 1,652	\$ 551
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	26	610	610	610	610	610	610	610	610	610	610	610	610	610	1,830	610	258	86	7,320	2,440	\$ 237,051	\$ 79,017	\$ 12,594	\$ 4,198

SURFACE WATER: ALL SYSTEMS																								
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)										Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)												
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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				
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	26	260	260	260	260	260	260	260	260	260	260	260	260	260	780	260	156	52	3,120	1,040	\$ 101,038	\$ 33,679	\$ 5,368	\$ 1,789
101-500	46	920	920	920	920	920	920	920	920	920	920	920	920	920	2,760	920	552	184	11,040	3,680	\$ 357,519	\$ 119,173	\$ 18,994	\$ 6,331
501-1K	19	760	760	760	760	760	760	760	760	760	760	760	760	760	2,280	760	228	76	9,120	3,040	\$ 295,342	\$ 98,447	\$ 15,690	\$ 5,230
1K-3.3K	36	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	4,320	1,440	432	144	17,280	5,760	\$ 559,596	\$ 186,532	\$ 29,729	\$ 9,910
3.3K-10K	38	3,040	3,040	3,040	3,040	3,040	3,040	3,040	3,040	3,040	3,040	3,040	3,040	3,040	9,120	3,040	456	152	36,480	12,160	\$ 1,181,368	\$ 393,789	\$ 62,762	\$ 20,921
10K-25K	20	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	7,200	2,400	240	80	28,800	9,600	\$ 932,659	\$ 310,886	\$ 49,549	\$ 16,516
25K-50K	12	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	4,320	1,440	144	48	17,280	5,760	\$ 559,596	\$ 186,532	\$ 29,729	\$ 9,910
50K-75K	9	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	3,240	1,080	108	36	12,960	4,320	\$ 419,697	\$ 139,899	\$ 22,297	\$ 7,432
75K-100K	2	240	240	240	240	240	240	240	240	240	240	240	240	240	720	240	24	8	2,880	960	\$ 93,266	\$ 31,089	\$ 4,955	\$ 1,652
100K-500K	7	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	1,400	4,200	1,400	84	28	16,800	5,600	\$ 544,051	\$ 181,350	\$ 28,904	\$ 9,635
500K-1M	2	400	400	400	400	400	400	400	400	400	400	400	400	400	1,200	400	24	8	4,800	1,600	\$ 155,443	\$ 51,814	\$ 8,258	\$ 2,753
> 1M	1	200	200	200	200	200	200	200	200	200	200	200	200	200	600	200	12	4	2,400	800	\$ 77,722	\$ 25,907	\$ 4,129	\$ 1,376
Total	218	13,580	13,580	13,580	13,580	13,580	13,580	13,580	13,580	13,580	13,580	13,580	13,580	13,580	40,740	13,580	2,460	820	162,960	54,320	\$ 5,277,297	\$ 1,759,099	\$ 280,364	\$ 93,455

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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	1,165	-	-	-	-	-	-	5,825	-	-	5,825	1,942	1,165	388	23,300	7,767	\$ 754,547	\$ 251,516	\$ 40,086	\$ 13,362
101-500	1,374	-	-	-	-	-	-	6,870	-	-	6,870	2,290	1,374	458	27,480	9,160	\$ 889,912	\$ 296,637	\$ 47,278	\$ 15,759
501-1K	446	-	-	-	-	-	-	4,460	-	-	4,460	1,487	446	149	17,840	5,947	\$ 577,731	\$ 192,577	\$ 30,693	\$ 10,231
1K-3.3K	569	-	-	-	-	-	-	5,690	-	-	5,690	1,897	569	190	22,760	7,587	\$ 737,060	\$ 245,687	\$ 39,157	\$ 13,052
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	3,554	-	-	-	-	-	-	22,845	-	-	22,845	7,615	3,554	1,185	91,380	30,460	\$ 2,959,250	\$ 986,417	\$ 157,214	\$ 52,405
GROUND WATER: NTNCWSs																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	857	-	-	-	-	-	-	4,285	-	-	4,285	1,428	857	286	17,140	5,713	\$ 555,062	\$ 185,021	\$ 29,488	\$ 9,829
101-500	647	-	-	-	-	-	-	3,235	-	-	3,235	1,078	647	216	12,940	4,313	\$ 419,049	\$ 139,683	\$ 22,263	\$ 7,421
501-1K	166	-	-	-	-	-	-	1,660	-	-	1,660	553	166	55	6,640	2,213	\$ 215,030	\$ 71,677	\$ 11,424	\$ 3,808
1K-3.3K	76	-	-	-	-	-	-	760	-	-	760	253	76	25	3,040	1,013	\$ 98,447	\$ 32,816	\$ 5,230	\$ 1,743
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	1,746	-	-	-	-	-	-	9,940	-	-	9,940	3,313	1,746	582	39,760	13,253	\$ 1,287,588	\$ 429,196	\$ 68,405	\$ 22,802
GROUND WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	2,022	-	-	-	-	-	-	10,110	-	-	10,110	3,370	2,022	674	40,440	13,480	\$ 1,309,609	\$ 436,536	\$ 69,575	\$ 23,192
101-500	2,021	-	-	-	-	-	-	10,105	-	-	10,105	3,368	2,021	674	40,420	13,473	\$ 1,308,961	\$ 436,320	\$ 69,540	\$ 23,180
501-1K	612	-	-	-	-	-	-	6,120	-	-	6,120	2,040	612	204	24,480	8,160	\$ 792,760	\$ 264,253	\$ 42,117	\$ 14,039
1K-3.3K	645	-	-	-	-	-	-	6,450	-	-	6,450	2,150	645	215	25,800	8,600	\$ 835,507	\$ 278,502	\$ 44,388	\$ 14,796
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	5,300	-	-	-	-	-	-	32,785	-	-	32,785	10,928	5,300	1,767	131,140	43,713	\$ 4,246,838	\$1,415,613	\$ 225,619	\$ 75,206

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY (cont.)

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

SURFACE WATER: CWSS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	-	-	-	490	-	-	490	163	98	33	1,960	653	\$ 63,473	\$ 21,158	\$ 3,372	\$ 1,124
101-500	215	-	-	-	-	-	-	1,075	-	-	1,075	358	215	72	4,300	1,433	\$ 139,251	\$ 46,417	\$ 7,398	\$ 2,466
501-1K	117	-	-	-	-	-	-	1,170	-	-	1,170	390	117	39	4,680	1,560	\$ 151,557	\$ 50,519	\$ 8,052	\$ 2,684
1K-3.3K	253	-	-	-	-	-	-	2,530	-	-	2,530	843	253	84	10,120	3,373	\$ 327,726	\$ 109,242	\$ 17,411	\$ 5,804
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	683	-	-	-	-	-	-	5,265	-	-	5,265	1,755	683	228	21,060	7,020	\$ 682,007	\$ 227,336	\$ 36,233	\$ 12,078
SURFACE WATER: NTCWSS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	26	-	-	-	-	-	-	130	-	-	130	43	26	9	520	173	\$ 16,840	\$ 5,613	\$ 895	\$ 298
101-500	26	-	-	-	-	-	-	130	-	-	130	43	26	9	520	173	\$ 16,840	\$ 5,613	\$ 895	\$ 298
501-1K	9	-	-	-	-	-	-	90	-	-	90	30	9	3	360	120	\$ 11,658	\$ 3,886	\$ 619	\$ 206
1K-3.3K	8	-	-	-	-	-	-	80	-	-	80	27	8	3	320	107	\$ 10,363	\$ 3,454	\$ 551	\$ 184
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	69	-	-	-	-	-	-	430	-	-	430	143	69	23	1,720	573	\$ 55,700	\$ 18,567	\$ 2,959	\$ 986
SURFACE WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	124	-	-	-	-	-	-	620	-	-	620	207	124	41	2,480	827	\$ 80,312	\$ 26,771	\$ 4,267	\$ 1,422
101-500	241	-	-	-	-	-	-	1,205	-	-	1,205	402	241	80	4,820	1,607	\$ 156,091	\$ 52,030	\$ 8,293	\$ 2,764
501-1K	126	-	-	-	-	-	-	1,260	-	-	1,260	420	126	42	5,040	1,680	\$ 163,215	\$ 54,405	\$ 8,671	\$ 2,890
1K-3.3K	261	-	-	-	-	-	-	2,610	-	-	2,610	870	261	87	10,440	3,480	\$ 338,089	\$ 112,696	\$ 17,961	\$ 5,987
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	752	-	-	-	-	-	-	5,695	-	-	5,695	1,898	752	251	22,780	7,593	\$ 737,708	\$ 245,903	\$ 39,192	\$ 13,064

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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
501-1K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1K-3.3K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GROUND WATER: NTNCWSs																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
501-1K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1K-3.3K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GROUND WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
501-1K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1K-3.3K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY (cont.)

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

SURFACE WATER: CWSs													Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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
		2008	2009	2010	2011	2012	2013	2014	2015	2016										
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
501-1K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
1K-3.3K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	

SURFACE WATER: NTCWSs													Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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
		2008	2009	2010	2011	2012	2013	2014	2015	2016										
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
501-1K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
1K-3.3K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	

SURFACE WATER: ALL SYSTEMS													Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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
		2008	2009	2010	2011	2012	2013	2014	2015	2016										
≤100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
501-1K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
1K-3.3K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	

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

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

GROUND WATER: CWSs																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	161	805	-	-	805	-	-	805	-	-	805	268	161	54	3,220	1,073	\$ 104,276	\$ 34,759
101-500	191	955	-	-	955	-	-	955	-	-	955	318	191	64	3,820	1,273	\$ 123,707	\$ 41,236	\$ 6,572	\$ 2,191
501-1K	63	630	-	-	630	-	-	630	-	-	630	210	63	21	2,520	840	\$ 81,608	\$ 27,203	\$ 4,336	\$ 1,445
1K-3.3K	80	800	-	-	800	-	-	800	-	-	800	267	80	27	3,200	1,067	\$ 103,629	\$ 34,543	\$ 5,505	\$ 1,835
3.3K-10K	31	-	-	620	-	-	620	-	-	620	207	31	10	2,480	827	\$ 80,312	\$ 26,771	\$ 4,267	\$ 1,422	
10K-25K	11	-	-	330	-	-	330	-	-	330	110	11	4	1,320	440	\$ 42,747	\$ 14,249	\$ 2,271	\$ 757	
25K-50K	4	-	-	120	-	-	120	-	-	120	40	4	1	480	160	\$ 15,544	\$ 5,181	\$ 826	\$ 275	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	541	3,190	-	1,070	3,190	-	1,070	3,190	-	1,070	4,260	1,420	541	180	17,040	5,680	\$ 551,823	\$ 183,941	\$ 29,316	\$ 9,772
GROUND WATER: NTNCWSs																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	109	545	-	-	545	-	-	545	-	-	545	182	109	36	2,180	727	\$ 70,597	\$ 23,532
101-500	80	400	-	-	400	-	-	400	-	-	400	133	80	27	1,600	533	\$ 51,814	\$ 17,271	\$ 2,753	\$ 918
501-1K	21	210	-	-	210	-	-	210	-	-	210	70	21	7	840	280	\$ 27,203	\$ 9,068	\$ 1,445	\$ 482
1K-3.3K	10	100	-	-	100	-	-	100	-	-	100	33	10	3	400	133	\$ 12,954	\$ 4,318	\$ 688	\$ 229
3.3K-10K	1	-	-	20	-	-	20	-	-	20	20	7	1	0	80	27	\$ 2,591	\$ 864	\$ 138	\$ 46
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	221	1,255	-	20	1,255	-	20	1,255	-	20	1,275	425	221	74	5,100	1,700	\$ 165,158	\$ 55,053	\$ 8,774	\$ 2,925
GROUND WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	270	1,350	-	-	1,350	-	-	1,350	-	-	1,350	450	270	90	5,400	1,800	\$ 174,874	\$ 58,291
101-500	271	1,355	-	-	1,355	-	-	1,355	-	-	1,355	452	271	90	5,420	1,807	\$ 175,521	\$ 58,507	\$ 9,325	\$ 3,108
501-1K	84	840	-	-	840	-	-	840	-	-	840	280	84	28	3,360	1,120	\$ 108,810	\$ 36,270	\$ 5,781	\$ 1,927
1K-3.3K	90	900	-	-	900	-	-	900	-	-	900	300	90	30	3,600	1,200	\$ 116,582	\$ 38,861	\$ 6,194	\$ 2,065
3.3K-10K	32	-	-	640	-	-	640	-	-	640	213	32	11	2,560	853	\$ 82,903	\$ 27,634	\$ 4,404	\$ 1,468	
10K-25K	11	-	-	330	-	-	330	-	-	330	110	11	4	1,320	440	\$ 42,747	\$ 14,249	\$ 2,271	\$ 757	
25K-50K	4	-	-	120	-	-	120	-	-	120	40	4	1	480	160	\$ 15,544	\$ 5,181	\$ 826	\$ 275	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	762	4,445	-	1,090	4,445	-	1,090	4,445	-	1,090	5,535	1,845	762	254	22,140	7,380	\$ 716,982	\$ 238,994	\$ 38,091	\$ 12,697

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY (cont.)

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

SURFACE WATER: CWSs														Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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	
		2008	2009	2010	2011	2012	2013	2014	2015	2016											
≤100	14	70	-	-	70	-	-	70	-	-	70	23	14	5	280	93	\$ 9,068	\$ 3,023	\$ 482	\$ 161	
101-500	30	150	-	-	150	-	-	150	-	-	150	50	30	10	600	200	\$ 19,430	\$ 6,477	\$ 1,032	\$ 344	
501-1K	17	170	-	-	170	-	-	170	-	-	170	57	17	6	680	227	\$ 22,021	\$ 7,340	\$ 1,170	\$ 390	
1K-3.3K	36	360	-	-	360	-	-	360	-	-	360	120	36	12	1,440	480	\$ 46,833	\$ 15,544	\$ 2,477	\$ 826	
3.3K-10K	24	-	-	480	-	-	480	-	-	480	480	160	24	8	1,920	640	\$ 62,177	\$ 20,726	\$ 3,303	\$ 1,101	
10K-25K	14	-	-	420	-	-	420	-	-	420	420	140	14	5	1,680	560	\$ 54,405	\$ 18,135	\$ 2,890	\$ 963	
25K-50K	7	-	-	210	-	-	210	-	-	210	210	70	7	2	840	280	\$ 27,203	\$ 9,068	\$ 1,445	\$ 482	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	142	750	-	1,110	750	-	1,110	750	-	1,110	1,860	620	142	47	7,440	2,480	\$ 240,937	\$ 80,312	\$ 12,800	\$ 4,267	

SURFACE WATER: NTNCWSs														Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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	
		2008	2009	2010	2011	2012	2013	2014	2015	2016											
≤100	3	15	-	-	15	-	-	15	-	-	15	5	3	1	60	20	\$ 1,943	\$ 648	\$ 103	\$ 34	
101-500	3	15	-	-	15	-	-	15	-	-	15	5	3	1	60	20	\$ 1,943	\$ 648	\$ 103	\$ 34	
501-1K	1	10	-	-	10	-	-	10	-	-	10	3	1	0	40	13	\$ 1,295	\$ 432	\$ 69	\$ 23	
1K-3.3K	1	10	-	-	10	-	-	10	-	-	10	3	1	0	40	13	\$ 1,295	\$ 432	\$ 69	\$ 23	
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	8	50	-	-	50	-	-	50	-	-	50	17	8	3	200	67	\$ 6,477	\$ 2,159	\$ 344	\$ 115	

SURFACE WATER: ALL SYSTEMS														Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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	
		2008	2009	2010	2011	2012	2013	2014	2015	2016											
≤100	17	85	-	-	85	-	-	85	-	-	85	28	17	6	340	113	\$ 11,011	\$ 3,670	\$ 585	\$ 195	
101-500	33	165	-	-	165	-	-	165	-	-	165	55	33	11	660	220	\$ 21,373	\$ 7,124	\$ 1,135	\$ 378	
501-1K	18	180	-	-	180	-	-	180	-	-	180	60	18	6	720	240	\$ 23,316	\$ 7,772	\$ 1,239	\$ 413	
1K-3.3K	37	370	-	-	370	-	-	370	-	-	370	123	37	12	1,480	493	\$ 47,928	\$ 15,976	\$ 2,546	\$ 849	
3.3K-10K	24	-	-	480	-	-	480	-	-	480	480	160	24	8	1,920	640	\$ 62,177	\$ 20,726	\$ 3,303	\$ 1,101	
10K-25K	14	-	-	420	-	-	420	-	-	420	420	140	14	5	1,680	560	\$ 54,405	\$ 18,135	\$ 2,890	\$ 963	
25K-50K	7	-	-	210	-	-	210	-	-	210	210	70	7	2	840	280	\$ 27,203	\$ 9,068	\$ 1,445	\$ 482	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	150	800	-	1,110	800	-	1,110	800	-	1,110	1,910	637	150	50	7,640	2,547	\$ 247,414	\$ 82,471	\$ 13,144	\$ 4,381	

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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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
		s100	483	-	-	2,415	-	-	2,415	-	-	2,415	2,415	805	483	161	9,660	3,220	\$ 312,829	\$ 104,276
101-500	572	-	-	2,860	-	-	2,860	-	-	2,860	2,860	953	572	191	11,440	3,813	\$ 370,473	\$ 123,491	\$ 19,662	\$ 6,561
501-1K	189	-	-	1,890	-	-	1,890	-	-	1,890	1,890	630	189	63	7,560	2,520	\$ 244,823	\$ 81,608	\$ 13,007	\$ 4,336
1K-3.3K	241	-	-	2,410	-	-	2,410	-	-	2,410	2,410	803	241	80	9,640	3,213	\$ 312,182	\$ 104,061	\$ 16,585	\$ 5,528
3.3K-10K	93	-	-	1,860	-	-	1,860	-	-	1,860	1,860	620	93	31	7,440	2,480	\$ 240,937	\$ 80,312	\$ 12,800	\$ 4,267
10K-25K	33	-	-	990	-	-	990	-	-	990	990	330	33	11	3,960	1,320	\$ 128,241	\$ 42,747	\$ 6,813	\$ 2,271
25K-50K	12	-	-	360	-	-	360	-	-	360	360	120	12	4	1,440	480	\$ 46,633	\$ 15,544	\$ 2,477	\$ 826
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	1,623	-	-	12,785	-	-	12,785	-	-	12,785	12,785	4,262	1,623	541	51,140	17,047	\$ 1,656,118	\$ 552,039	\$ 87,984	\$ 29,328

GROUND WATER: NTNCS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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
		s100	327	-	-	1,635	-	-	1,635	-	-	1,635	1,635	545	327	109	6,540	2,180	\$ 211,791	\$ 70,597
101-500	240	-	-	1,200	-	-	1,200	-	-	1,200	1,200	400	240	80	4,800	1,600	\$ 155,443	\$ 51,814	\$ 8,258	\$ 2,753
501-1K	62	-	-	620	-	-	620	-	-	620	620	207	62	21	2,480	827	\$ 80,312	\$ 26,771	\$ 4,267	\$ 1,422
1K-3.3K	29	-	-	290	-	-	290	-	-	290	290	97	29	10	1,160	387	\$ 37,565	\$ 12,522	\$ 1,996	\$ 665
3.3K-10K	3	-	-	60	-	-	60	-	-	60	60	20	3	1	240	80	\$ 7,772	\$ 2,591	\$ 413	\$ 138
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	661	-	-	3,805	-	-	3,805	-	-	3,805	3,805	1,268	661	220	15,220	5,073	\$ 492,884	\$ 164,295	\$ 26,185	\$ 8,728

GROUND WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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
		s100	810	-	-	4,050	-	-	4,050	-	-	4,050	4,050	1,350	810	270	16,200	5,400	\$ 524,621	\$ 174,874
101-500	812	-	-	4,060	-	-	4,060	-	-	4,060	4,060	1,353	812	271	16,240	5,413	\$ 525,916	\$ 175,305	\$ 27,940	\$ 9,313
501-1K	251	-	-	2,510	-	-	2,510	-	-	2,510	2,510	837	251	84	10,040	3,347	\$ 325,135	\$ 108,378	\$ 17,273	\$ 5,758
1K-3.3K	270	-	-	2,700	-	-	2,700	-	-	2,700	2,700	900	270	90	10,800	3,600	\$ 349,747	\$ 116,582	\$ 18,581	\$ 6,194
3.3K-10K	96	-	-	1,920	-	-	1,920	-	-	1,920	1,920	640	96	32	7,680	2,560	\$ 248,709	\$ 82,903	\$ 13,213	\$ 4,404
10K-25K	33	-	-	990	-	-	990	-	-	990	990	330	33	11	3,960	1,320	\$ 128,241	\$ 42,747	\$ 6,813	\$ 2,271
25K-50K	12	-	-	360	-	-	360	-	-	360	360	120	12	4	1,440	480	\$ 46,633	\$ 15,544	\$ 2,477	\$ 826
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	2,284	-	-	16,590	-	-	16,590	-	-	16,590	16,590	5,530	2,284	761	66,360	22,120	\$ 2,149,002	\$ 716,334	\$ 114,169	\$ 38,056

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY (cont.)

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

SURFACE WATER: CWSS													Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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
		2008	2009	2010	2011	2012	2013	2014	2015	2016										
≤100	41	-	-	205	-	-	205	-	-	205	205	68	41	14	820	273	\$ 26,555	\$ 8,852	\$ 1,411	\$ 470
101-500	90	-	-	450	-	-	450	-	-	450	450	150	90	30	1,800	600	\$ 58,291	\$ 19,430	\$ 3,097	\$ 1,032
501-1K	50	-	-	500	-	-	500	-	-	500	500	167	50	17	2,000	667	\$ 64,768	\$ 21,589	\$ 3,441	\$ 1,147
1K-3.3K	107	-	-	1,070	-	-	1,070	-	-	1,070	1,070	357	107	36	4,280	1,427	\$ 138,604	\$ 46,201	\$ 7,364	\$ 2,455
3.3K-10K	73	-	-	1,460	-	-	1,460	-	-	1,460	1,460	467	73	24	5,840	1,947	\$ 189,123	\$ 63,041	\$ 10,047	\$ 3,349
10K-25K	43	-	-	1,290	-	-	1,290	-	-	1,290	1,290	430	43	14	5,160	1,720	\$ 167,101	\$ 55,700	\$ 8,878	\$ 2,959
25K-50K	22	-	-	660	-	-	660	-	-	660	660	220	22	7	2,640	880	\$ 85,494	\$ 28,498	\$ 4,542	\$ 1,514
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	426	-	-	5,635	-	-	5,635	-	-	5,635	5,635	1,878	426	142	22,540	7,513	\$ 729,935	\$ 243,312	\$ 38,779	\$ 12,926

SURFACE WATER: NTCWSS													Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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
		2008	2009	2010	2011	2012	2013	2014	2015	2016										
≤100	10	-	-	50	-	-	50	-	-	50	50	17	10	3	200	67	\$ 6,477	\$ 2,159	\$ 344	\$ 115
101-500	10	-	-	50	-	-	50	-	-	50	50	17	10	3	200	67	\$ 6,477	\$ 2,159	\$ 344	\$ 115
501-1K	3	-	-	30	-	-	30	-	-	30	30	10	3	1	120	40	\$ 3,886	\$ 1,295	\$ 206	\$ 69
1K-3.3K	3	-	-	30	-	-	30	-	-	30	30	10	3	1	120	40	\$ 3,886	\$ 1,295	\$ 206	\$ 69
3.3K-10K	1	-	-	20	-	-	20	-	-	20	20	7	1	0	80	27	\$ 2,591	\$ 864	\$ 138	\$ 46
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	27	-	-	180	-	-	180	-	-	180	180	60	27	9	720	240	\$ 23,316	\$ 7,772	\$ 1,239	\$ 413

SURFACE WATER: ALL SYSTEMS													Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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
		2008	2009	2010	2011	2012	2013	2014	2015	2016										
≤100	51	-	-	255	-	-	255	-	-	255	255	85	51	17	1,020	340	\$ 33,032	\$ 11,011	\$ 1,755	\$ 585
101-500	100	-	-	500	-	-	500	-	-	500	500	167	100	33	2,000	667	\$ 64,768	\$ 21,589	\$ 3,441	\$ 1,147
501-1K	53	-	-	530	-	-	530	-	-	530	530	177	53	18	2,120	707	\$ 68,654	\$ 22,885	\$ 3,647	\$ 1,216
1K-3.3K	110	-	-	1,100	-	-	1,100	-	-	1,100	1,100	367	110	37	4,400	1,467	\$ 142,490	\$ 47,497	\$ 7,570	\$ 2,523
3.3K-10K	74	-	-	1,480	-	-	1,480	-	-	1,480	1,480	493	74	25	5,920	1,973	\$ 191,713	\$ 63,904	\$ 10,185	\$ 3,395
10K-25K	43	-	-	1,290	-	-	1,290	-	-	1,290	1,290	430	43	14	5,160	1,720	\$ 167,101	\$ 55,700	\$ 8,878	\$ 2,959
25K-50K	22	-	-	660	-	-	660	-	-	660	660	220	22	7	2,640	880	\$ 85,494	\$ 28,498	\$ 4,542	\$ 1,514
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	453	-	-	5,815	-	-	5,815	-	-	5,815	5,815	1,938	453	151	23,260	7,753	\$ 753,252	\$ 251,084	\$ 40,018	\$ 13,339

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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	11,651	38,520	12,420	8,395	38,520	12,420	8,395	44,345	12,420	8,395	65,160	21,720	13,032	4,344	260,640	86,880	\$ 8,440,566	\$ 2,813,522
101-500	13,737	48,325	17,600	12,835	48,325	17,600	12,835	55,195	17,600	12,835	85,630	28,543	17,126	5,709	342,520	114,173	\$ 11,092,168	\$ 3,697,389	\$ 589,287	\$ 196,429
501-1K	4,463	30,650	10,790	7,650	30,650	10,790	7,650	35,110	10,790	7,650	53,550	17,850	5,355	1,785	214,200	71,400	\$ 6,936,653	\$ 2,312,218	\$ 368,520	\$ 122,840
1K-3.3K	5,694	38,920	13,610	9,590	38,920	13,610	9,590	44,610	13,610	9,590	67,810	22,603	6,781	2,260	271,240	90,413	\$ 8,783,836	\$ 2,927,945	\$ 466,654	\$ 155,551
3.3K-10K	2,739	12,500	7,520	48,600	12,500	7,520	48,600	12,500	7,520	48,600	68,620	22,873	3,431	1,144	274,480	91,493	\$ 8,888,760	\$ 2,962,920	\$ 472,228	\$ 157,409
10K-25K	964	6,360	3,720	25,410	6,360	3,720	25,410	6,360	3,720	25,410	35,490	11,830	1,183	394	141,960	47,320	\$ 4,597,233	\$ 1,532,411	\$ 244,235	\$ 81,412
25K-50K	356	2,400	1,440	9,450	2,400	1,440	9,450	2,400	1,440	9,450	13,290	4,430	443	148	53,160	17,720	\$ 1,721,533	\$ 573,844	\$ 91,459	\$ 30,486
50K-75K	120	600	4,170	600	600	4,170	600	600	4,170	600	5,370	1,790	179	60	21,480	7,160	\$ 695,608	\$ 231,869	\$ 36,955	\$ 12,318
75K-100K	32	120	1,080	120	120	1,080	120	120	1,080	120	1,320	440	44	15	5,280	1,760	\$ 170,988	\$ 56,996	\$ 9,084	\$ 3,028
100K-500K	63	200	3,350	200	200	3,350	200	200	3,350	200	3,750	1,250	75	25	15,000	5,000	\$ 485,760	\$ 161,920	\$ 25,807	\$ 8,602
500K-1M	4	-	200	-	-	200	-	-	200	-	200	67	4	1	800	267	\$ 25,907	\$ 8,636	\$ 1,376	\$ 459
> 1M	3	-	150	-	-	150	-	-	150	-	150	50	3	1	600	200	\$ 19,430	\$ 6,477	\$ 1,032	\$ 344
Total	39,825	178,595	76,050	122,850	178,595	76,050	122,850	201,440	76,050	122,850	400,340	133,447	47,656	15,885	1,601,360	533,787	\$ 51,858,442	\$ 17,286,147	\$ 2,755,054	\$ 918,351

GROUND WATER: NTCWSS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	8,571	30,205	10,480	7,760	30,205	10,480	7,760	34,490	10,480	7,760	52,730	17,577	10,546	3,515	210,920	70,307	\$ 6,830,433	\$ 2,276,811
101-500	6,467	26,660	11,655	9,660	26,660	11,655	9,660	29,895	11,655	9,660	51,210	17,070	10,242	3,414	204,840	68,280	\$ 6,633,539	\$ 2,211,180	\$ 352,416	\$ 117,472
501-1K	1,659	13,520	5,840	4,810	13,520	5,840	4,810	15,180	5,840	4,810	25,830	8,610	2,583	861	103,320	34,440	\$ 3,345,915	\$ 1,115,305	\$ 177,757	\$ 59,252
1K-3.3K	764	6,240	2,710	2,230	6,240	2,710	2,230	7,000	2,710	2,230	11,940	3,980	1,194	398	47,760	15,920	\$ 1,546,660	\$ 515,553	\$ 82,169	\$ 27,390
3.3K-10K	103	780	640	2,180	780	640	2,180	780	640	2,180	3,600	1,200	180	60	14,400	4,800	\$ 466,330	\$ 155,443	\$ 24,774	\$ 8,258
10K-25K	8	30	-	180	30	-	180	30	-	180	210	70	7	2	840	280	\$ 27,203	\$ 9,068	\$ 1,445	\$ 482
25K-50K	4	30	-	90	30	-	90	30	-	90	120	40	4	1	480	160	\$ 15,544	\$ 5,181	\$ 826	\$ 275
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	17,576	77,465	31,325	26,910	77,465	31,325	26,910	87,405	31,325	26,910	145,640	48,547	24,756	8,252	582,560	194,187	\$ 18,865,623	\$ 6,288,541	\$ 1,002,263	\$ 334,088

GROUND WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	20,222	68,725	22,900	16,155	68,725	22,900	16,155	78,835	22,900	16,155	117,890	39,297	23,578	7,859	471,560	157,187	\$ 15,270,999	\$ 5,090,333
101-500	20,204	74,985	29,255	22,495	74,985	29,255	22,495	85,090	29,255	22,495	136,840	45,613	27,368	9,123	547,360	182,453	\$ 17,725,706	\$ 5,908,569	\$ 941,704	\$ 313,901
501-1K	6,122	44,170	16,630	12,460	44,170	16,630	12,460	50,290	16,630	12,460	79,380	26,460	7,938	2,646	317,520	105,840	\$ 10,282,568	\$ 3,427,523	\$ 546,276	\$ 182,092
1K-3.3K	6,458	45,160	16,320	11,820	45,160	16,320	11,820	51,610	16,320	11,820	79,750	26,583	7,975	2,658	319,000	106,333	\$ 10,330,496	\$ 3,443,499	\$ 548,822	\$ 182,941
3.3K-10K	2,842	13,280	8,160	50,780	13,280	8,160	50,780	13,280	8,160	50,780	72,220	24,073	3,611	1,204	288,890	96,293	\$ 9,355,090	\$ 3,118,363	\$ 497,003	\$ 165,668
10K-25K	972	6,390	3,720	25,590	6,390	3,720	25,590	6,390	3,720	25,590	35,700	11,900	1,190	397	142,800	47,600	\$ 4,624,435	\$ 1,541,478	\$ 245,680	\$ 81,893
25K-50K	360	2,430	1,440	9,540	2,430	1,440	9,540	2,430	1,440	9,540	13,410	4,470	447	149	53,640	17,880	\$ 1,737,078	\$ 579,026	\$ 92,285	\$ 30,762
50K-75K	120	600	4,170	600	600	4,170	600	600	4,170	600	5,370	1,790	179	60	21,480	7,160	\$ 695,608	\$ 231,869	\$ 36,955	\$ 12,318
75K-100K	32	120	1,080	120	120	1,080	120	120	1,080	120	1,320	440	44	15	5,280	1,760	\$ 170,988	\$ 56,996	\$ 9,084	\$ 3,028
100K-500K	63	200	3,350	200	200	3,350	200	200	3,350	200	3,750	1,250	75	25	15,000	5,000	\$ 485,760	\$ 161,920	\$ 25,807	\$ 8,602
500K-1M	4	-	200	-	-	200	-	-	200	-	200	67	4	1	800	267	\$ 25,907	\$ 8,636	\$ 1,376	\$ 459
> 1M	3	-	150	-	-	150	-	-	150	-	150	50	3	1	600	200	\$ 19,430	\$ 6,477	\$ 1,032	\$ 344
Total	57,401	256,060	107,375	149,760	256,060	107,375	149,760	288,845	107,375	149,760	545,980	181,993	72,412	24,137	2,183,920	727,973	\$ 70,724,065	\$ 23,574,688	\$ 3,757,318	\$ 1,252,439

Exhibit 6 - TAP MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY (cont.)

Summary - All Scenarios (Cont.):

		SURFACE WATER: CWSs										Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)										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
		2008	2009	2010	2011	2012	2013	2014	2015	2016											
≤100	983	3,250	1,045	705	3,250	1,045	705	3,740	1,045	705	5,490	1,830	1,098	366	21,960	7,320	\$ 711,153	\$ 237,051	\$ 37,781	\$ 12,594	
101-500	2,153	7,570	2,750	2,005	7,570	2,750	2,005	8,645	2,750	2,005	13,400	4,467	2,680	893	53,600	17,867	\$ 1,735,782	\$ 578,594	\$ 92,216	\$ 30,739	
501-1K	1,173	8,050	2,820	2,000	8,050	2,820	2,000	9,220	2,820	2,000	14,040	4,680	1,404	468	56,160	18,720	\$ 1,818,685	\$ 606,228	\$ 96,620	\$ 32,207	
1K-3.3K	2,527	17,280	6,050	4,260	17,280	6,050	4,260	19,810	6,050	4,260	30,120	10,040	3,012	1,004	120,480	40,160	\$ 3,901,624	\$ 1,300,541	\$ 207,279	\$ 69,093	
3.3K-10K	2,143	9,760	5,860	38,020	9,760	5,860	38,020	9,760	5,860	38,020	53,640	17,880	2,682	894	214,560	71,520	\$ 6,948,311	\$ 2,316,104	\$ 369,139	\$ 123,046	
10K-25K	1,263	8,430	4,990	33,360	8,430	4,990	33,360	8,430	4,990	33,360	48,770	15,590	1,559	520	187,000	62,360	\$ 6,058,399	\$ 2,019,466	\$ 321,861	\$ 107,287	
25K-50K	657	4,590	2,820	17,580	4,590	2,820	17,580	4,590	2,820	17,580	24,990	8,330	833	278	99,960	33,320	\$ 3,237,105	\$ 1,079,035	\$ 171,976	\$ 57,325	
50K-75K	253	1,440	8,940	1,440	1,440	8,940	1,440	1,440	8,940	1,440	11,820	3,940	394	131	47,280	15,760	\$ 1,531,116	\$ 510,372	\$ 81,343	\$ 27,114	
75K-100K	139	360	4,500	360	360	4,500	360	360	4,500	360	5,220	1,740	174	58	20,880	6,960	\$ 676,178	\$ 225,393	\$ 35,923	\$ 11,974	
100K-500K	294	1,800	16,400	1,800	1,800	16,400	1,800	1,800	16,400	1,800	20,000	6,667	400	133	80,000	26,667	\$ 2,590,720	\$ 863,573	\$ 137,636	\$ 45,879	
500K-1M	31	600	2,100	600	600	2,100	600	600	2,100	600	3,300	1,100	66	22	13,200	4,400	\$ 427,469	\$ 142,490	\$ 22,710	\$ 7,570	
> 1M	18	200	1,100	200	200	1,100	200	200	1,100	200	1,500	500	30	10	6,000	2,000	\$ 194,304	\$ 64,768	\$ 10,323	\$ 3,441	
Total	11,635	63,330	59,365	102,330	63,330	59,365	102,330	68,595	59,365	102,330	230,290	76,763	14,332	4,777	921,160	307,053	\$ 29,830,845	\$ 9,943,615	\$ 1,584,807	\$ 528,269	

		SURFACE WATER: NTCNWSs										Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)										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
		2008	2009	2010	2011	2012	2013	2014	2015	2016											
≤100	257	905	315	235	905	315	235	1,035	315	235	1,585	528	317	106	6,340	2,113	\$ 205,315	\$ 68,438	\$ 10,908	\$ 3,638	
101-500	264	1,065	455	375	1,065	455	375	1,195	455	375	2,025	675	405	135	8,100	2,700	\$ 282,310	\$ 87,437	\$ 13,936	\$ 4,645	
501-1K	86	690	290	230	690	290	230	780	290	230	1,300	433	130	43	5,200	1,733	\$ 168,397	\$ 56,132	\$ 8,946	\$ 2,982	
1K-3.3K	75	620	270	230	620	270	230	700	270	230	1,200	400	120	40	4,800	1,600	\$ 155,443	\$ 51,814	\$ 8,258	\$ 2,753	
3.3K-10K	29	140	100	540	140	100	540	140	100	540	780	260	39	13	3,120	1,040	\$ 101,038	\$ 33,679	\$ 5,368	\$ 1,789	
10K-25K	4	30	-	90	30	-	90	30	-	90	120	40	4	1	480	160	\$ 15,544	\$ 5,181	\$ 826	\$ 275	
25K-50K	2	-	-	60	-	-	60	-	-	60	60	20	2	1	240	80	\$ 7,772	\$ 2,591	\$ 413	\$ 138	
50K-75K	1	-	30	-	-	30	-	-	30	-	30	10	1	0	120	40	\$ 3,886	\$ 1,295	\$ 206	\$ 69	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	1	-	50	-	-	50	-	-	50	-	50	17	1	0	200	67	\$ 6,477	\$ 2,159	\$ 344	\$ 115	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	719	3,450	1,510	1,760	3,450	1,510	1,760	3,880	1,510	1,760	7,150	2,383	1,019	340	28,600	9,533	\$ 926,182	\$ 308,727	\$ 49,205	\$ 16,402	

		SURFACE WATER: ALL SYSTEMS										Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)										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
		2008	2009	2010	2011	2012	2013	2014	2015	2016											
≤100	1,240	4,155	1,360	940	4,155	1,360	940	4,775	1,360	940	7,075	2,358	1,415	472	28,300	9,433	\$ 916,467	\$ 305,489	\$ 48,689	\$ 16,230	
101-500	2,417	8,635	3,205	2,380	8,635	3,205	2,380	9,840	3,205	2,380	15,425	5,142	3,085	1,028	61,700	20,567	\$ 1,998,093	\$ 666,031	\$ 106,152	\$ 35,384	
501-1K	1,259	8,740	3,110	2,230	8,740	3,110	2,230	10,000	3,110	2,230	15,340	5,113	1,534	511	61,360	20,453	\$ 1,987,082	\$ 662,361	\$ 105,567	\$ 35,189	
1K-3.3K	2,602	17,900	6,320	4,490	17,900	6,320	4,490	20,510	6,320	4,490	31,320	10,440	3,132	1,044	125,280	41,760	\$ 4,057,068	\$ 1,352,356	\$ 215,538	\$ 71,846	
3.3K-10K	2,172	9,900	5,960	38,560	9,900	5,960	38,560	9,900	5,960	38,560	54,420	18,140	2,721	907	217,680	72,560	\$ 7,049,349	\$ 2,349,783	\$ 374,507	\$ 124,836	
10K-25K	1,267	8,460	4,980	33,450	8,460	4,980	33,450	8,460	4,980	33,450	48,890	15,630	1,563	521	187,560	62,520	\$ 6,073,943	\$ 2,024,648	\$ 322,687	\$ 107,562	
25K-50K	659	4,590	2,820	17,640	4,590	2,820	17,640	4,590	2,820	17,640	25,050	8,350	835	278	100,200	33,400	\$ 3,244,877	\$ 1,081,626	\$ 172,389	\$ 57,463	
50K-75K	254	1,440	8,970	1,440	1,440	8,970	1,440	1,440	8,970	1,440	11,850	3,950	395	132	47,400	15,800	\$ 1,535,002	\$ 511,667	\$ 81,549	\$ 27,183	
75K-100K	139	360	4,500	360	360	4,500	360	360	4,500	360	5,220	1,740	174	58	20,880	6,960	\$ 676,178	\$ 225,393	\$ 35,923	\$ 11,974	
100K-500K	295	1,800	16,450	1,800	1,800	16,450	1,800	1,800	16,450	1,800	20,050	6,683	401	134	80,200	26,733	\$ 2,597,197	\$ 865,732	\$ 137,980	\$ 45,993	
500K-1M	31	600	2,100	600	600	2,100	600	600	2,100	600	3,300	1,100	66	22	13,200	4,400	\$ 427,469	\$ 142,490	\$ 22,710	\$ 7,570	
> 1M	18	200	1,100	200	200	1,100	200	200	1,100	200	1,500	500	30	10	6,000	2,000	\$ 194,304	\$ 64,768	\$ 10,323	\$ 3,441	
Total	12,354	66,780	60,875	104,090	66,780	60,875	104,090	72,475	60,875	104,090	237,440	79,147	15,351	5,117	949,760	316,587	\$ 30,757,028	\$ 10,252,343	\$ 1,634,011	\$ 544,670	

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 Compliance Cycle)										Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	21,462	72,880	24,260	17,095	72,880	24,260	17,095	83,610	24,260	17,095	124,965	41,655	24,993	8,331	499,860	166,620	\$ 16,187,466	\$ 5,395,822	\$ 859,982	\$ 286,661	
101-500	22,621	83,620	32,460	24,875	83,620	32,460	24,875	94,930	32,460	24,875	152,265	50,755	30,453	10,151	609,060	203,020	\$ 19,723,799	\$ 6,574,600	\$ 1,047,855	\$ 349,285	
501-1K	7,381	52,910	19,740	14,690	52,910	19,740	14,690	60,290	19,740	14,690	94,720	31,573	9,472	3,157	378,880	126,293	\$ 12,269,650	\$ 4,089,883	\$ 651,843	\$ 217,281	
1K-3.3K	9,060	63,060	22,640	16,310	63,060	22,640	16,310	72,120	22,640	16,310	111,070	37,023	11,107	3,702	444,280	148,093	\$ 14,387,564	\$ 4,795,855	\$ 764,360	\$ 254,787	
3.3K-10K	5,014	23,180	14,120	89,340	23,180	14,120	89,340	23,180	14,120	89,340	126,640	42,213	6,332	2,111	506,560	168,853	\$ 16,404,439	\$ 5,468,146	\$ 871,509	\$ 290,503	
10K-25K	2,239	14,850	8,700	59,040	14,850	8,700	59,040	14,850	8,700	59,040	82,590	27,530	2,753	918	330,360	110,120	\$ 10,698,378	\$ 3,566,126	\$ 568,367	\$ 189,456	
25K-50K	1,019	7,020	4,260	27,180	7,020	4,260	27,180	7,020	4,260	27,180	38,460	12,820	1,282	427	153,840	51,280	\$ 4,981,955	\$ 1,660,652	\$ 264,674	\$ 88,225	
50K-75K	374	2,040	13,140	2,040	2,040	13,140	2,040	2,040	13,140	2,040	17,220	5,740	574	191	68,880	22,960	\$ 2,230,610	\$ 743,537	\$ 118,504	\$ 39,501	
75K-100K	171	480	5,580	480	480	5,580	480	480	5,580	480	6,540	2,180	218	73	26,160	8,720	\$ 847,165	\$ 282,388	\$ 45,007	\$ 15,002	
100K-500K	358	2,000	19,800	2,000	2,000	19,800	2,000	2,000	19,800	2,000	23,800	7,933	476	159	95,200	31,733	\$ 3,082,957	\$ 1,027,652	\$ 163,787	\$ 54,596	
500K-1M	35	600	2,300	600	600	2,300	600	600	2,300	600	3,500	1,167	70	23	14,000	4,667	\$ 453,376	\$ 151,125	\$ 24,086	\$ 8,029	
> 1M	21	200	1,250	200	200	1,250	200	200	1,250	200	1,650	550	33	11	6,600	2,200	\$ 213,734	\$ 71,245	\$ 11,355	\$ 3,785	
Total	69,755	322,840	168,250	253,850	322,840	168,250	253,850	361,320	168,250	253,850	783,420	261,140	87,763	29,254	3,133,680	1,044,560	\$ 101,481,093	\$ 33,827,031	\$ 5,391,329	\$ 1,797,110	

Exhibit 7 - WQP MONITORING FOR LEAD & COPPER - SYSTEM INVENTORY

Source: SDWIS/FED Data from October 2010

GROUND WATER: CWSs

Size Category	Total Systems
≤100	1,651
101-500	13,737
501-1K	4,463
1K-3.3K	5,694
3.3K-10K	2,739
10K-25K	964
25K-50K	356
50K-75K	120
75K-100K	32
100K-500K	63
500K-1M	4
> 1M	3
TOTAL:	39,825

SURFACE WATER: CWSs

Size Category	Total Systems
≤100	983
101-500	2,153
501-1K	1,173
1K-3.3K	2,527
3.3K-10K	2,143
10K-25K	1,263
25K-50K	657
50K-75K	253
75K-100K	139
100K-500K	294
500K-1M	31
> 1M	18
TOTAL:	11,635

GROUND WATER: NTNCWSs

Size Category	Total Systems
≤100	8,571
101-500	6,467
501-1K	1,659
1K-3.3K	764
3.3K-10K	103
10K-25K	8
25K-50K	4
50K-75K	-
75K-100K	-
100K-500K	-
500K-1M	-
> 1M	-
TOTAL:	17,576

SURFACE WATER: NTNCWSs

Size Category	Total Systems
≤100	257
101-500	264
501-1K	86
1K-3.3K	75
3.3K-10K	29
10K-25K	4
25K-50K	2
50K-75K	1
75K-100K	-
100K-500K	1
500K-1M	-
> 1M	-
TOTAL:	719

GROUND WATER: ALL SYSTEMS

Size Category	Total Systems
≤100	20,222
101-500	20,204
501-1K	6,122
1K-3.3K	6,458
3.3K-10K	2,842
10K-25K	972
25K-50K	360
50K-75K	120
75K-100K	32
100K-500K	63
500K-1M	4
> 1M	3
TOTAL:	57,401

SURFACE WATER: ALL SYSTEMS

Size Category	Total Systems
≤100	1,240
101-500	2,417
501-1K	1,259
1K-3.3K	2,602
3.3K-10K	2,172
10K-25K	1,267
25K-50K	659
50K-75K	254
75K-100K	139
100K-500K	295
500K-1M	31
> 1M	18
TOTAL:	12,354

Exhibit 8 - WQP MONITORING - LABOR RATES

State Labor Rate \$43.79

System Labor Rates	
≤100	\$32.38
101-500	\$32.38
501-1K	\$32.38
1K-3.3K	\$32.38
3.3K-10K	\$32.38
10K-25K	\$32.38
25K-50K	\$32.38
50K-75K	\$32.38
75K-100K	\$32.38
100K-500K	\$32.38
500K-1M	\$32.38
> 1M	\$32.38

PWS Labor Rate

Base (Hourly)	\$20.24	2010s	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 2010 data (published in May 2011). http://stats.bls.gov/oes/current/oes518031.htm
Load Factor	1.6		
Inflation Factor	1.00	1	ECI New
Total	\$32.38	1	ECI Base

State Labor Rate

Base (Hourly)	\$27.37	2010s	National Occupational Employment and Wage Estimates, United States, BLS SOC Code 19-2041, "State Government - Environmental Scientists and Specialists, Including Health". May 2010 data (published in May 2011). http://stats.bls.gov/oes/current/oes192041.htm
Load Factor	1.6		
Inflation Factor	1.00	1	ECI New
Total	\$43.79	1	ECI Base

Sampling Cost Inflation Factor

Inflation Factor 1.31

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. 218.056 2010 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	11,651	1.1	1.1	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 31.80	\$ 80.96	\$ 35.70	\$ 52.35
101-500	13,737	1.2	1.2	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 35.56	\$ 80.96	\$ 39.93	\$ 52.35
501-1K	4,463	1.6	1.6	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 46.11	\$ 80.96	\$ 51.77	\$ 52.35
1K-3.3K	5,694	1.9	1.9	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 54.08	\$ 80.96	\$ 60.72	\$ 52.35
3.3K-10K	2,739	2.2	1.1	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 31.96	\$ 80.96	\$ 35.88	\$ 52.35
10K-25K	964	3.5	1.8	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 51.51	\$ 80.96	\$ 57.83	\$ 52.35
25K-50K	356	3.5	1.8	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 51.51	\$ 80.96	\$ 57.83	\$ 52.35
50K-75K	120	9.4	3.1	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 91.48	\$ 80.96	\$ 102.70	\$ 52.35
75K-100K	32	9.4	3.1	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 91.48	\$ 80.96	\$ 102.70	\$ 52.35
100K-500K	63	12.6	4.2	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 122.01	\$ 80.96	\$ 136.98	\$ 52.35
500K-1M	4	12.6	4.2	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 122.01	\$ 80.96	\$ 136.98	\$ 52.35
> 1M	3	12.6	4.2	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 122.01	\$ 80.96	\$ 136.98	\$ 52.35
TOTAL:	39,825													
GROUND WATER: NTCWSS														
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	8,571	1.0	1.0	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
101-500	6,467	1.0	1.0	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
501-1K	1,659	1.0	1.0	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
1K-3.3K	764	1.0	1.0	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
3.3K-10K	103	1.0	1.0	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
10K-25K	8	1.0	1.0	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
25K-50K	4	1.0	1.0	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
50K-75K	-	1.0	1.0	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
75K-100K	-	1.0	1.0	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
100K-500K	-	1.0	1.0	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
500K-1M	-	1.0	1.0	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
> 1M	-	1.0	1.0	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
TOTAL:	17,576													
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	20,222	varies	varies	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
101-500	20,204	varies	varies	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
501-1K	6,122	varies	varies	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
1K-3.3K	6,458	varies	varies	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
3.3K-10K	2,842	varies	varies	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
10K-25K	972	varies	varies	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
25K-50K	360	varies	varies	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
50K-75K	120	varies	varies	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
75K-100K	32	varies	varies	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
100K-500K	63	varies	varies	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
500K-1M	4	varies	varies	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
> 1M	3	varies	varies	0.4	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 29.15	\$ 80.96	\$ 32.72	\$ 52.35
TOTAL:	57,401													

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	983	1.1	1.1	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 17.40	\$ 80.96	\$ 35.17	\$ 52.35
101-500	2,153	1.1	1.1	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 18.17	\$ 80.96	\$ 36.71	\$ 52.35
501-1K	1,173	1.3	1.3	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 21.38	\$ 80.96	\$ 43.21	\$ 52.35
1K-3.3K	2,527	1.3	1.3	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 20.74	\$ 80.96	\$ 41.91	\$ 52.35
3.3K-10K	2,143	1.3	1.3	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 20.41	\$ 80.96	\$ 41.25	\$ 52.35
10K-25K	1,263	1.6	1.6	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 25.53	\$ 80.96	\$ 51.59	\$ 52.35
25K-50K	657	1.6	1.6	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 25.53	\$ 80.96	\$ 51.59	\$ 52.35
50K-75K	253	2.0	2.0	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 32.09	\$ 80.96	\$ 64.85	\$ 52.35
75K-100K	139	2.0	2.0	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 32.09	\$ 80.96	\$ 64.85	\$ 52.35
100K-500K	294	3.3	3.3	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 53.41	\$ 80.96	\$ 107.94	\$ 52.35
500K-1M	31	3.3	3.3	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 53.41	\$ 80.96	\$ 107.94	\$ 52.35
> 1M	18	3.3	3.3	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 53.41	\$ 80.96	\$ 107.94	\$ 52.35
TOTAL:	11,635													
SURFACE WATER: NTRCWSs														
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	257	1.0	1.0	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
101-500	264	1.0	1.0	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
501-1K	86	1.0	1.0	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
1K-3.3K	75	1.0	1.0	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
3.3K-10K	29	1.0	1.0	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
10K-25K	4	1.0	1.0	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
25K-50K	2	1.0	1.0	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
50K-75K	1	1.0	1.0	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
75K-100K	-	1.0	1.0	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
100K-500K	1	1.0	1.0	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
500K-1M	-	1.0	1.0	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
> 1M	-	1.0	1.0	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
TOTAL:	719													
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	1,240	varies	varies	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
101-500	2,417	varies	varies	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
501-1K	1,259	varies	varies	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
1K-3.3K	2,602	varies	varies	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
3.3K-10K	2,172	varies	varies	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
10K-25K	1,267	varies	varies	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
25K-50K	659	varies	varies	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
50K-75K	254	varies	varies	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
75K-100K	139	varies	varies	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
100K-500K	295	varies	varies	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
500K-1M	31	varies	varies	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
> 1M	18	varies	varies	-	0.5	0.5	2.0	\$ 32.38	\$ 32.72	\$ 52.35	\$ 16.19	\$ 80.96	\$ 32.72	\$ 52.35
TOTAL:	12,354													

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 do not yet take into account the results of the August 2011 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	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)
5100	11,651	-	-	-	-	-	0.59%	0.59%	-	-	1.77%	1.77%
101-500	13,737	-	-	-	-	-	0.56%	0.56%	-	-	1.69%	1.69%
501-1K	4,463	-	-	-	-	-	0.45%	0.45%	-	-	1.36%	1.36%
1K-3.3K	5,694	-	-	-	-	-	0.43%	0.43%	-	-	1.30%	1.30%
3.3K-10K	2,739	-	-	-	-	-	0.57%	0.57%	-	-	1.72%	1.72%
10K-25K	964	-	-	-	-	-	0.53%	0.53%	-	-	1.58%	1.58%
25K-50K	356	-	-	-	-	-	0.59%	0.59%	-	-	1.78%	1.78%
50K-75K	120	22	-	-	-	-	1.14%	1.14%	-	-	3.42%	3.42%
75K-100K	32	10	-	-	-	-	0.58%	0.58%	-	-	1.75%	1.75%
100K-500K	63	22	-	-	-	-	0.77%	0.77%	-	-	2.31%	2.31%
500K-1M	4	1	-	-	-	-	2.14%	2.14%	-	-	6.43%	6.43%
> 1M	3	-	-	-	-	-	1.19%	1.19%	-	-	3.57%	3.57%
TOTAL:	39,825	-	-	-	-	-	-	-	-	-	-	-

GROUND WATER: NTCWSS												
Size Category	Total Systems	Actual Number of B3 Systems	Percent of Systems Under Each Monitoring Scenario									
			1	1	2	2	3a	3a	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)
5100	8,571	-	-	-	-	-	1.15%	1.15%	-	-	3.45%	3.45%
101-500	6,467	-	-	-	-	-	1.32%	1.32%	-	-	3.97%	3.97%
501-1K	1,659	-	-	-	-	-	1.28%	1.28%	-	-	3.83%	3.83%
1K-3.3K	764	-	-	-	-	-	1.25%	1.25%	-	-	3.75%	3.75%
3.3K-10K	103	-	-	-	-	-	1.70%	1.70%	-	-	5.11%	5.11%
10K-25K	8	-	-	-	-	-	0.00%	0.00%	-	-	0.00%	0.00%
25K-50K	4	-	-	-	-	-	0.00%	0.00%	-	-	0.00%	0.00%
50K-75K	-	-	-	-	-	-	0.00%	0.00%	-	-	0.00%	-
75K-100K	-	-	-	-	-	-	0.00%	0.00%	-	-	0.00%	-
100K-500K	-	-	-	-	-	-	0.00%	0.00%	-	-	0.00%	-
500K-1M	-	-	-	-	-	-	0.00%	0.00%	-	-	0.00%	-
> 1M	-	-	-	-	-	-	0.00%	0.00%	-	-	0.00%	-
TOTAL:	17,576	-	-	-	-	-	-	-	-	-	-	-

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	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)
5100	983	-	-	-	-	-	0.59%	0.59%	0.00%	0.00%	1.77%	1.77%
101-500	2,153	-	-	-	-	-	0.56%	0.56%	0.00%	0.00%	1.69%	1.69%
501-1K	1,173	-	-	-	-	-	0.45%	0.45%	0.00%	0.00%	1.36%	1.36%
1K-3.3K	2,527	-	-	-	-	-	0.43%	0.43%	0.00%	0.00%	1.30%	1.30%
3.3K-10K	2,143	-	-	-	-	-	0.57%	0.57%	0.00%	0.00%	1.72%	1.72%
10K-25K	1,263	-	-	-	-	-	0.53%	0.53%	0.00%	0.00%	1.58%	1.58%
25K-50K	667	-	-	-	-	-	0.59%	0.59%	0.00%	0.00%	1.78%	1.78%
50K-75K	253	38	-	-	-	-	1.14%	1.14%	0.00%	0.00%	3.42%	0.03
75K-100K	139	16	-	-	-	-	0.58%	0.58%	0.00%	0.00%	1.75%	0.02
100K-500K	294	57	-	-	-	-	0.77%	0.77%	0.00%	0.00%	2.31%	0.02
500K-1M	31	3	-	-	-	-	2.14%	2.14%	0.00%	0.00%	6.43%	0.08
> 1M	18	2	-	-	-	-	1.19%	1.19%	0.00%	0.00%	3.57%	0.04
TOTAL:	11,635	-	-	-	-	-	-	-	-	-	-	-

SURFACE WATER: NTCWSS												
Size Category	Total Systems	Actual Number of B3 Systems	Percent of Systems Under Each Monitoring Scenario									
			1	1	2	2	3a	3a	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)
5100	257	-	-	-	-	-	1.15%	1.15%	0.00%	0.00%	3.45%	3.45%
101-500	264	-	-	-	-	-	1.32%	1.32%	0.00%	0.00%	3.97%	3.97%
501-1K	86	-	-	-	-	-	1.28%	1.28%	0.00%	0.00%	3.83%	3.83%
1K-3.3K	75	-	-	-	-	-	1.25%	1.25%	0.00%	0.00%	3.75%	3.75%
3.3K-10K	29	-	-	-	-	-	1.70%	1.70%	0.00%	0.00%	5.11%	5.11%
10K-25K	4	-	-	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
25K-50K	2	-	-	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
50K-75K	1	-	-	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	-
75K-100K	-	-	-	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	-
100K-500K	-	-	-	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	-
500K-1M	-	-	-	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	-
> 1M	-	-	-	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	-
TOTAL:	719	-	-	-	-	-	-	-	-	-	-	-

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.

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 Compliance Cycle)									Total	
	2008	2009	2010	2011	2012	2013	2014	2015	2016		
≤100	26	26	26	26	26	26	26	26	26	26	234
101-500	26	26	26	26	26	26	26	26	26	26	234
501-1K	26	26	26	26	26	26	26	26	26	26	234
1K-3.3K	26	26	26	26	26	26	26	26	26	26	234
3.3K-10K	26	26	26	26	26	26	26	26	26	26	234
10K-25K	26	26	26	26	26	26	26	26	26	26	234
25K-50K	26	26	26	26	26	26	26	26	26	26	234
50K-75K	-	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-	-

Surface Water Systems											
Size Category	Years (Representing 9-Year Compliance Cycle)									Total	
	2008	2009	2010	2011	2012	2013	2014	2015	2016		
≤100	26	26	26	26	26	26	26	26	26	26	234
101-500	26	26	26	26	26	26	26	26	26	26	234
501-1K	26	26	26	26	26	26	26	26	26	26	234
1K-3.3K	26	26	26	26	26	26	26	26	26	26	234
3.3K-10K	26	26	26	26	26	26	26	26	26	26	234
10K-25K	26	26	26	26	26	26	26	26	26	26	234
25K-50K	26	26	26	26	26	26	26	26	26	26	234
50K-75K	-	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-	-

SCENARIO 3b: Exceed After Treatment->No Study Required (Tap)

All Systems											
Size Category	Years (Representing 9-Year Compliance Cycle)									Total	
	2008	2009	2010	2011	2012	2013	2014	2015	2016		
≤100	2	-	-	2	-	-	2	-	-	-	6
101-500	2	-	-	2	-	-	2	-	-	-	6
501-1K	4	-	-	4	-	-	4	-	-	-	12
1K-3.3K	4	-	-	4	-	-	4	-	-	-	12
3.3K-10K	-	6	-	-	-	-	6	-	-	-	6
10K-25K	-	14	-	-	-	-	14	-	-	-	14
25K-50K	-	14	-	-	-	-	14	-	-	-	14
50K-75K	-	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-	-

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 Compliance Cycle)									Total	
	2008	2009	2010	2011	2012	2013	2014	2015	2016		
≤100	28	28	28	28	28	28	28	28	28	28	255.3
101-500	32	32	32	32	32	32	32	32	32	32	285.6
501-1K	41	41	41	41	41	41	41	41	41	41	370.2
1K-3.3K	48	48	48	48	48	48	48	48	48	48	434.2
3.3K-10K	29	29	29	29	29	29	29	29	29	29	256.6
10K-25K	46	46	46	46	46	46	46	46	46	46	413.5
25K-50K	46	46	46	46	46	46	46	46	46	46	413.5
50K-75K	-	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-	-

Surface Water Systems											
Size Category	Years (Representing 9-Year Compliance Cycle)									Total	
	2008	2009	2010	2011	2012	2013	2014	2015	2016		
≤100	28	28	28	28	28	28	28	28	28	28	251.5
101-500	29	29	29	29	29	29	29	29	29	29	262.5
501-1K	34	34	34	34	34	34	34	34	34	34	309.0
1K-3.3K	33	33	33	33	33	33	33	33	33	33	299.7
3.3K-10K	33	33	33	33	33	33	33	33	33	33	295.0
10K-25K	41	41	41	41	41	41	41	41	41	41	368.9
25K-50K	41	41	41	41	41	41	41	41	41	41	368.9
50K-75K	-	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-	-

SCENARIO 3b: Exceed After Treatment->No Study Required (Tap)

All Systems											
Size Category	Years (Representing 9-Year Compliance Cycle)									Total	
	2008	2009	2010	2011	2012	2013	2014	2015	2016		
≤100	2	-	-	2	-	-	2	-	-	-	6
101-500	2	-	-	2	-	-	2	-	-	-	6
501-1K	4	-	-	4	-	-	4	-	-	-	12
1K-3.3K	4	-	-	4	-	-	4	-	-	-	12
3.3K-10K	-	6	-	-	-	-	6	-	-	-	6
10K-25K	-	14	-	-	-	-	14	-	-	-	14
25K-50K	-	14	-	-	-	-	14	-	-	-	14
50K-75K	-	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-	-

SCENARIO 3aAR: Accelerated Reduced Monitoring>>Exceed After Treatment>>Study Required (Tap)

GROUND WATER: CWSs														Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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	
		2008	2009	2010	2011	2012	2013	2014	2015	2016											
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
501-1K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1K-3.3K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

GROUND WATER: NTNCWSs														Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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	
		2008	2009	2010	2011	2012	2013	2014	2015	2016											
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
501-1K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1K-3.3K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

GROUND WATER: ALL SYSTEMS														Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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	
		2008	2009	2010	2011	2012	2013	2014	2015	2016											
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
501-1K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1K-3.3K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Scenario 3AR: Accelerated Reduction Monitoring>>Exceed After Treatment>>Study Required (Tap) (cont.)

SURFACE WATER: CWSs														Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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	
		2008	2009	2010	2011	2012	2013	2014	2015	2016											
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
501-1K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1K-3.3K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

SURFACE WATER: NTNCWSs														Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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	
		2008	2009	2010	2011	2012	2013	2014	2015	2016											
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
501-1K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1K-3.3K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

SURFACE WATER: ALL SYSTEMS														Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									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	
		2008	2009	2010	2011	2012	2013	2014	2015	2016											
101-500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
501-1K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1K-3.3K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	207	5,872	5,872	5,872	5,872	5,872	5,872	5,872	5,872	5,872	17,615	5,872	16,146	5,382	15,854	5,285	\$ 513,407	\$ 171,136	\$ 576,397	\$ 192,132
101-500	231	7,329	7,329	7,329	7,329	7,329	7,329	7,329	7,329	7,329	21,986	7,329	18,018	6,006	19,787	6,596	\$ 640,789	\$ 213,596	\$ 719,407	\$ 239,802
501-1K	61	2,509	2,509	2,509	2,509	2,509	2,509	2,509	2,509	2,509	7,527	2,509	4,758	1,586	6,775	2,258	\$ 219,389	\$ 73,130	\$ 246,306	\$ 82,102
1K-3.3K	74	3,570	3,570	3,570	3,570	3,570	3,570	3,570	3,570	3,570	10,710	3,570	5,772	1,924	9,639	3,213	\$ 312,150	\$ 104,050	\$ 350,448	\$ 116,816
3.3K-10K	47	1,340	1,340	1,340	1,340	1,340	1,340	1,340	1,340	1,340	4,020	1,340	3,666	1,222	3,618	1,206	\$ 117,171	\$ 39,057	\$ 131,547	\$ 43,849
10K-25K	15	689	689	689	689	689	689	689	689	689	2,068	689	1,170	390	1,861	620	\$ 60,262	\$ 20,087	\$ 67,656	\$ 22,552
25K-50K	6	276	276	276	276	276	276	276	276	276	827	276	468	156	744	248	\$ 24,105	\$ 8,035	\$ 27,062	\$ 9,021
50K-75K	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	647	21,584	21,584	21,584	21,584	21,584	21,584	21,584	21,584	21,584	64,753	21,584	49,908	16,666	58,278	19,426	\$ 1,887,274	\$ 629,091	\$ 2,158,979	\$ 706,275

GROUND WATER: NTCWSs																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	286	7,696	7,696	7,696	7,696	7,696	7,696	7,696	7,696	7,696	23,088	7,696	23,088	7,696	20,779	6,526	\$ 672,914	\$ 224,305	\$ 755,474	\$ 251,825
101-500	257	6,682	6,682	6,682	6,682	6,682	6,682	6,682	6,682	6,682	20,046	6,682	20,046	6,682	15,041	6,014	\$ 584,253	\$ 194,751	\$ 655,935	\$ 218,645
501-1K	63	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	4,914	1,638	4,914	1,638	4,423	1,474	\$ 143,221	\$ 47,740	\$ 160,793	\$ 53,598
1K-3.3K	29	754	754	754	754	754	754	754	754	754	2,262	754	2,262	754	2,036	679	\$ 65,927	\$ 21,976	\$ 74,101	\$ 24,672
3.3K-10K	5	130	130	130	130	130	130	130	130	130	390	130	390	130	351	117	\$ 11,367	\$ 3,789	\$ 12,761	\$ 4,254
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	650	16,900	16,900	16,900	16,900	16,900	16,900	16,900	16,900	16,900	50,700	16,900	50,700	16,900	45,630	15,210	\$ 1,477,682	\$ 492,561	\$ 1,658,979	\$ 552,993

GROUND WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	503	13,568	13,568	13,568	13,568	13,568	13,568	13,568	13,568	13,568	40,703	13,568	39,234	13,078	36,633	12,211	\$ 1,186,321	\$ 395,440	\$ 1,331,871	\$ 443,957
101-500	488	14,011	14,011	14,011	14,011	14,011	14,011	14,011	14,011	14,011	42,032	14,011	38,064	12,688	37,829	12,610	\$ 1,225,041	\$ 408,347	\$ 1,375,342	\$ 458,447
501-1K	124	4,147	4,147	4,147	4,147	4,147	4,147	4,147	4,147	4,147	12,441	4,147	12,441	4,147	11,197	3,732	\$ 362,810	\$ 120,870	\$ 407,099	\$ 135,700
1K-3.3K	103	4,324	4,324	4,324	4,324	4,324	4,324	4,324	4,324	4,324	12,972	4,324	12,972	4,324	11,675	3,892	\$ 378,078	\$ 126,026	\$ 424,464	\$ 141,488
3.3K-10K	52	1,470	1,470	1,470	1,470	1,470	1,470	1,470	1,470	1,470	4,410	1,470	4,056	1,352	3,969	1,323	\$ 128,538	\$ 42,846	\$ 144,309	\$ 48,103
10K-25K	15	689	689	689	689	689	689	689	689	689	2,068	689	1,170	390	1,861	620	\$ 60,262	\$ 20,087	\$ 67,656	\$ 22,552
25K-50K	6	276	276	276	276	276	276	276	276	276	827	276	468	156	744	248	\$ 24,105	\$ 8,035	\$ 27,062	\$ 9,021
50K-75K	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	1,297	38,484	38,484	38,484	38,484	38,484	38,484	38,484	38,484	38,484	115,453	38,484	100,698	33,566	103,908	34,636	\$ 3,364,956	\$ 1,121,652	\$ 3,777,804	\$ 1,259,268

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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	475	475	475	475	475	475	475	475	475	1,425	475	1,326	442	713	238	\$ 23,076	\$ 7,692	\$ 46,833	\$ 15,544
101-500	36	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	1,050	3,150	1,050	2,808	936	1,575	525	\$ 51,009	\$ 17,003	\$ 103,882	\$ 34,361
501-1K	16	549	549	549	549	549	549	549	549	549	1,648	549	1,248	416	824	275	\$ 26,684	\$ 8,895	\$ 53,925	\$ 17,975
1K-3.3K	33	1,099	1,099	1,099	1,099	1,099	1,099	1,099	1,099	1,099	3,297	1,099	2,674	868	1,648	549	\$ 53,391	\$ 17,794	\$ 107,875	\$ 36,089
3.3K-10K	37	1,213	1,213	1,213	1,213	1,213	1,213	1,213	1,213	1,213	3,638	1,213	2,886	962	1,819	606	\$ 58,912	\$ 19,637	\$ 119,052	\$ 39,684
10K-25K	20	820	820	820	820	820	820	820	820	820	2,460	820	1,560	520	1,230	410	\$ 39,826	\$ 13,275	\$ 80,483	\$ 26,828
25K-50K	12	492	492	492	492	492	492	492	492	492	1,476	492	936	312	738	246	\$ 23,896	\$ 7,965	\$ 48,290	\$ 16,097
50K-75K	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	192	5,698	5,698	5,698	5,698	5,698	5,698	5,698	5,698	5,698	17,094	5,698	13,338	4,446	8,547	2,849	\$ 276,785	\$ 92,262	\$ 559,340	\$ 186,447

SURFACE WATER: NTCWSs																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	234	234	234	23															

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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	552	8,243	7,967	7,829	8,243	7,967	7,829	8,243	7,967	7,829	24,039	8,013	22,080	7,360	22,518	7,506	\$ 29,233	\$ 243,078
101-500	616	10,233	9,925	9,771	10,233	9,925	9,771	10,233	9,925	9,771	29,930	9,977	24,640	8,213	27,923	9,308	\$ 904,256	\$ 301,419	\$ 991,480	\$ 330,487
501-1K	162	3,576	3,412	3,332	3,576	3,412	3,332	3,576	3,412	3,332	10,419	3,440	6,642	2,214	9,806	3,269	\$ 317,551	\$ 105,650	\$ 344,025	\$ 114,676
1K-3.3K	198	5,072	4,876	4,776	5,072	4,876	4,776	5,072	4,876	4,776	14,724	4,908	6,118	2,706	13,885	4,628	\$ 449,667	\$ 149,889	\$ 489,575	\$ 163,92
3.3K-10K	126	1,892	2,078	1,796	1,892	1,796	2,078	1,892	1,796	2,078	5,767	1,922	5,292	1,764	5,795	1,932	\$ 187,662	\$ 62,554	\$ 196,119	\$ 65,373
10K-25K	40	989	1,129	919	989	1,129	919	989	1,129	919	3,037	1,012	1,840	613	3,181	1,060	\$ 103,018	\$ 34,339	\$ 104,867	\$ 34,956
25K-50K	16	396	452	368	396	452	368	396	452	368	1,215	405	736	245	1,272	424	\$ 41,207	\$ 13,736	\$ 41,947	\$ 13,982
50K-75K	10	82	82	96	82	82	96	82	82	96	259	86	92	31	255	85	\$ 2,756	\$ 874	\$ 2,756	\$ 874
75K-100K	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	1,724	30,483	29,921	28,887	30,483	29,345	29,463	30,483	29,345	29,463	89,290	29,763	69,440	23,147	84,636	28,212	\$ 2,740,864	\$ 913,621	\$ 2,974,167	\$ 991,389

GROUND WATER: NTCWSs																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	790	10,862	10,468	10,270	10,862	10,468	10,270	10,862	10,468	10,270	31,600	10,533	31,600	10,533	29,794	9,931	\$ 981,634	\$ 320,645
101-500	686	9,432	9,090	8,918	9,432	9,090	8,918	9,432	9,090	8,918	27,440	9,147	27,440	9,147	25,794	8,598	\$ 835,300	\$ 278,433	\$ 911,346	\$ 303,782
501-1K	168	2,436	2,268	2,184	2,436	2,268	2,184	2,436	2,268	2,184	6,888	2,296	6,888	2,296	6,737	2,246	\$ 218,165	\$ 72,722	\$ 231,982	\$ 77,327
1K-3.3K	78	1,130	1,054	1,014	1,130	1,054	1,014	1,130	1,054	1,014	3,198	1,066	3,198	1,066	3,128	1,043	\$ 101,291	\$ 33,764	\$ 107,706	\$ 35,902
3.3K-10K	14	194	212	182	194	212	182	194	212	182	588	196	588	196	586	199	\$ 19,314	\$ 6,438	\$ 20,065	\$ 6,688
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	1,738	24,054	23,092	22,568	24,054	23,062	22,598	24,054	23,062	22,598	69,714	23,238	69,714	23,238	65,959	21,980	\$ 2,136,003	\$ 712,001	\$ 2,320,608	\$ 773,536

GROUND WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	1,342	19,105	18,435	18,099	19,105	18,435	18,099	19,105	18,435	18,099	55,639	18,546	53,680	17,893	52,222	17,407	\$ 1,691,167	\$ 563,722
101-500	1,302	19,665	19,015	18,689	19,665	19,015	18,689	19,665	19,015	18,689	57,370	19,123	52,080	17,360	53,717	17,906	\$ 1,739,556	\$ 579,852	\$ 1,902,206	\$ 634,289
501-1K	330	6,012	5,680	5,516	6,012	5,680	5,516	6,012	5,680	5,516	17,207	5,736	13,530	4,510	16,543	5,514	\$ 535,715	\$ 178,772	\$ 576,007	\$ 192,002
1K-3.3K	276	6,202	5,930	5,790	6,202	5,930	5,790	6,202	5,930	5,790	19,222	6,174	11,316	3,772	17,013	5,671	\$ 550,598	\$ 183,653	\$ 597,282	\$ 199,094
3.3K-10K	140	2,086	2,290	1,978	2,086	1,978	2,290	2,086	1,978	2,290	6,355	2,118	5,880	1,960	6,391	2,130	\$ 206,976	\$ 68,992	\$ 216,184	\$ 72,061
10K-25K	40	989	1,129	919	989	1,129	919	989	1,129	919	3,037	1,012	1,840	613	3,181	1,060	\$ 103,018	\$ 34,339	\$ 104,867	\$ 34,956
25K-50K	16	396	452	368	396	452	368	396	452	368	1,215	405	736	245	1,272	424	\$ 41,207	\$ 13,736	\$ 41,947	\$ 13,982
50K-75K	10	82	82	96	82	82	96	82	82	96	259	86	92	31	255	85	\$ 2,756	\$ 874	\$ 2,756	\$ 874
75K-100K	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	3,460	54,637	53,013	51,455	54,637	52,407	52,061	54,637	52,407	52,061	159,004	53,001	139,154	46,385	150,695	50,198	\$ 4,876,867	\$ 1,625,622	\$ 5,294,775	\$ 1,764,925

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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	46	677	655	643	677	655	643	677	655	643	1,974	658	1,840	613	1,079	360	\$ 34,945	\$ 11,648
101-500	96	1,424	1,400	1,380	1,424	1,400	1,380	1,424	1,400	1,380	4,142	1,382	3,424	1,129	3,522	1,129	\$ 103,522	\$ 34,465	\$ 142,465	\$ 47,449
501-1K	42	785	741	721	785	741	721	785	741	721	2,447	749	1,722	574	1,292	431	\$ 41,824	\$ 13,941	\$ 75,174	\$ 25,058
1K-3.3K	88	1,597	1,509	1,465	1,597	1,509	1,465	1,597	1,509	1,465	4,572	1,524	3,608	1,203	2,638	879	\$ 85,424	\$ 28,475	\$ 153,047	\$ 51,016
3.3K-10K	98	1,678	1,828	1,606	1,678	1,828	1,606	1,678	1,828	1,606	5,112	1,704	4,116	1,372	3,144	1,048	\$ 101,821	\$ 33,940	\$ 173,056	\$ 57,685
10K-25K	54	1,205	1,387	1,107	1,205	1,387	1,107	1,205	1,387	1,107	3,699	1,233	2,494	828	2,605	868	\$ 84,369	\$ 28,123	\$ 128,442	\$ 42,814
25K-50K	32	712	824	656	712	824	656	712	824	656	2,192	731	1,472	491	1,544	515	\$ 49,996	\$ 16,665	\$ 76,114	\$ 25,371
50K-75K	24	155	155	197	155	155	197	155	155	197	506	169	276	92	337	112	\$ 10,909	\$ 3,636	\$ 17,373	\$ 5,791
75K-100K	6	52	52	66	52	52	66	52	52	66	169	56	92	31	112	37	\$ 3,636	\$ 1,212	\$ 5,791	\$ 1,930
100K-500K	18	172	172	212	172	172	212	172	172	212	555	185	196	65	357	119	\$ 11,571	\$ 3,857	\$ 18,933	\$ 6,311
500K-1M	6	86	86	106	86	86	106	86	86	106	277	92	98	33	179	60	\$ 5,786	\$ 1,929	\$ 9,467	\$ 3,156
> 1M	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	512	8,177	8,589	8,161	8,177	8,589	8,161	8,177	8,589	8,161	25,598	8,533	19,744	6,581	15,627	5,209	\$ 506,065	\$ 168,688	\$ 865,366	\$ 288,455

SURFACE WATER: NTCWSs																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	24	330	318	312	330	318	312	330	318	312	960	320	960	320	828	176	\$ 17,099	\$ 5,700
101-500	26	358	344	338	358	344	338	358	344	338	1,040	347	1,040	347	972	191	\$ 18,524	\$ 6,175	\$ 34,541	\$ 11,514
501-1K	8	116	108	104	116	108	104	116	108	104	328	109	328	109	296	65	\$ 6,347	\$ 2,116	\$ 11,047	\$ 3,682
1K-3.3K	6	116	108	104	116	108	104	116	108	104	328	109</								

Exhibit 13 - SOURCE WATER MONITORING FOR LEAD & COPPER - SYSTEM INVENTORY

Source: SDWIS/FED Data from October 2010

GROUND WATER: CWSs

Size Category	Total Systems
≤100	11,651
101-500	13,737
501-1K	4,463
1K-3.3K	5,694
3.3K-10K	2,739
10K-25K	964
25K-50K	356
50K-75K	120
75K-100K	32
100K-500K	63
500K-1M	4
> 1M	3
TOTAL:	39,825

SURFACE WATER: CWSs

Size Category	Total Systems
≤100	983
101-500	2,153
501-1K	1,173
1K-3.3K	2,527
3.3K-10K	2,143
10K-25K	1,263
25K-50K	657
50K-75K	253
75K-100K	139
100K-500K	294
500K-1M	31
> 1M	18
TOTAL:	11,635

GROUND WATER: NTCWSs

Size Category	Total Systems
≤100	8,571
101-500	6,467
501-1K	1,659
1K-3.3K	764
3.3K-10K	103
10K-25K	8
25K-50K	4
50K-75K	0
75K-100K	0
100K-500K	0
500K-1M	0
> 1M	0
TOTAL:	17,576

SURFACE WATER: NTCWSs

Size Category	Total Systems
≤100	257
101-500	264
501-1K	86
1K-3.3K	75
3.3K-10K	29
10K-25K	4
25K-50K	2
50K-75K	1
75K-100K	0
100K-500K	1
500K-1M	0
> 1M	0
TOTAL:	719

GROUND WATER: ALL SYSTEMS

Size Category	Total Systems
≤100	20,222
101-500	20,204
501-1K	6,122
1K-3.3K	6,458
3.3K-10K	2,842
10K-25K	972
25K-50K	360
50K-75K	120
75K-100K	32
100K-500K	63
500K-1M	4
> 1M	3
TOTAL:	57,401

SURFACE WATER: ALL SYSTEMS

Size Category	Total Systems
≤100	1,240
101-500	2,417
501-1K	1,259
1K-3.3K	2,602
3.3K-10K	2,172
10K-25K	1,267
25K-50K	659
50K-75K	254
75K-100K	139
100K-500K	295
500K-1M	31
> 1M	18
TOTAL:	12,354

Exhibit 14 - SOURCE WATER MONITORING FOR LEAD & COPPER - LABOR RATES

State Labor Rate \$43.79

System Labor Rates	
≤100	\$32.38
101-500	\$32.38
501-1K	\$32.38
1K-3.3K	\$32.38
3.3K-10K	\$32.38
10K-25K	\$32.38
25K-50K	\$32.38
50K-75K	\$32.38
75K-100K	\$32.38
100K-500K	\$32.38
500K-1M	\$32.38
> 1M	\$32.38

PWS Labor Rate
 Base (Hourly) \$20.24 2010\$ National Occupational Employment and Wage
 Load Factor 1.6
 Inflation Factor 1.00 1 ECI New
 Total \$32.38 1 ECI Base

State Labor Rate
 Base (Hourly) \$27.37 2010\$ National Occupational Employment and Wage
 Load Factor 1.6
 Inflation Factor 1.00 1 ECI New
 Total \$43.79 1 ECI Base

Sampling Cost Inflation Factor

Inflation Factor 1.31

CPI All Urban Consumers (CPI-U): U.S. City Average, by Expenditure Category and Commodity and Service Group. All urban consumers, All items, 218.056 Not seasonally adjusted. 2010 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	11,651	1.1	1.1	0.5	1.0	\$ 32.38	\$ 6.88	\$ 52.86	\$ 7.49
101-500	13,737	1.2	1.2	0.5	1.0	\$ 32.38	\$ 6.88	\$ 58.95	\$ 8.35
501-1K	4,463	1.6	1.6	0.5	1.0	\$ 32.38	\$ 6.88	\$ 76.00	\$ 10.77
1K-3.3K	5,694	1.9	1.8	0.5	1.0	\$ 32.38	\$ 6.88	\$ 88.89	\$ 12.59
3.3K-10K	2,739	2.2	2.2	0.5	1.0	\$ 32.38	\$ 6.88	\$ 104.80	\$ 14.85
10K-25K	964	3.5	3.4	0.5	1.0	\$ 32.38	\$ 6.88	\$ 167.57	\$ 23.74
25K-50K	356	3.5	3.4	0.5	1.0	\$ 32.38	\$ 6.88	\$ 167.57	\$ 23.74
50K-75K	120	9.4	9.2	0.5	1.0	\$ 32.38	\$ 6.88	\$ 446.43	\$ 63.25
75K-100K	32	9.4	9.2	0.5	1.0	\$ 32.38	\$ 6.88	\$ 446.43	\$ 63.25
100K-500K	63	12.6	12.3	0.5	1.0	\$ 32.38	\$ 6.88	\$ 595.42	\$ 84.35
500K-1M	4	12.6	12.3	0.5	1.0	\$ 32.38	\$ 6.88	\$ 595.42	\$ 84.35
> 1M	3	12.6	12.3	0.5	1.0	\$ 32.38	\$ 6.88	\$ 595.42	\$ 84.35
TOTAL:	39,825								
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	8,571	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
101-500	6,467	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
501-1K	1,659	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
1K-3.3K	764	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
3.3K-10K	103	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
10K-25K	8	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
25K-50K	4	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
50K-75K	-	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
75K-100K	-	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
100K-500K	-	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
500K-1M	-	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
> 1M	-	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
TOTAL:	17,576								
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	20,222	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
101-500	20,204	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
501-1K	6,122	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
1K-3.3K	6,458	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
3.3K-10K	2,842	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
10K-25K	972	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
25K-50K	360	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
50K-75K	120	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
75K-100K	32	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
100K-500K	63	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
500K-1M	4	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
> 1M	3	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
TOTAL:	57,401								

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	983	1.1	1.1	0.5	1.0	\$ 32.38	\$ 6.88	\$ 52.10	\$ 7.38
101-500	2,153	1.1	1.1	0.5	1.0	\$ 32.38	\$ 6.88	\$ 54.32	\$ 7.70
501-1K	1,173	1.3	1.3	0.5	1.0	\$ 32.38	\$ 6.88	\$ 63.68	\$ 9.02
1K-3.3K	2,527	1.3	1.3	0.5	1.0	\$ 32.38	\$ 6.88	\$ 61.81	\$ 8.76
3.3K-10K	2,143	1.3	1.3	0.5	1.0	\$ 32.38	\$ 6.88	\$ 60.86	\$ 8.62
10K-25K	1,263	1.6	1.6	0.5	1.0	\$ 32.38	\$ 6.88	\$ 75.75	\$ 10.73
25K-50K	657	1.6	1.6	0.5	1.0	\$ 32.38	\$ 6.88	\$ 75.75	\$ 10.73
50K-75K	253	2.0	2.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 94.84	\$ 13.44
75K-100K	139	2.0	2.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 94.84	\$ 13.44
100K-500K	294	3.3	3.2	0.5	1.0	\$ 32.38	\$ 6.88	\$ 156.89	\$ 22.23
500K-1M	31	3.3	3.2	0.5	1.0	\$ 32.38	\$ 6.88	\$ 156.89	\$ 22.23
> 1M	18	3.3	3.2	0.5	1.0	\$ 32.38	\$ 6.88	\$ 156.89	\$ 22.23
TOTAL:	11,635								
SURFACE WATER: NTCWSs									
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	257	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
101-500	264	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
501-1K	86	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
1K-3.3K	75	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
3.3K-10K	29	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
10K-25K	4	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
25K-50K	2	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
50K-75K	1	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
75K-100K	-	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
100K-500K	1	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
500K-1M	-	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
> 1M	-	1.0	1.0	0.5	1.0	\$ 32.38	\$ 6.88	\$ 48.58	\$ 6.88
TOTAL:	719								
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	1,240	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
101-500	2,417	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
501-1K	1,259	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
1K-3.3K	2,602	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
3.3K-10K	2,172	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
10K-25K	1,267	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
25K-50K	659	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
50K-75K	254	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
75K-100K	139	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
100K-500K	295	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
500K-1M	31	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
> 1M	18	varies	varies	0.5	1.0	\$ 32.38	\$ 6.88	varies	varies
TOTAL:	12,354								

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 2010

Burden estimates take into account the results of the August 2011 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	11,651	0	-	2.29%	-	-	-	0.08%	-	-
101-500	13,737	0	-	2.17%	-	-	-	0.07%	-	-
501-1K	4,463	0	-	1.75%	-	-	-	0.06%	-	-
1K-3.3K	5,694	0	-	1.68%	-	-	-	0.06%	-	-
3.3K-10K	2,739	0	-	2.22%	-	-	-	0.08%	-	-
10K-25K	964	0	-	2.04%	-	-	-	0.07%	-	-
25K-50K	356	0	-	2.29%	-	-	-	0.08%	-	-
50K-75K	120	22	18.33%	4.41%	-	-	-	0.15%	-	-
75K-100K	32	10	31.25%	2.26%	-	-	-	0.08%	-	-
100K-500K	63	22	34.92%	2.98%	-	-	-	0.10%	-	-
500K-1M	4	1	25.00%	8.29%	-	-	-	0.28%	-	-
> 1M	3	0	-	4.60%	-	-	-	0.16%	-	-
TOTAL:	39,825									

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	8,571	0	-	4.45%	-	-	-	0.15%	-	-
101-500	6,467	0	-	5.11%	-	-	-	0.17%	-	-
501-1K	1,659	0	-	4.93%	-	-	-	0.17%	-	-
1K-3.3K	764	0	-	4.84%	-	-	-	0.17%	-	-
3.3K-10K	103	0	-	6.59%	-	-	-	0.23%	-	-
10K-25K	8	0	-	0.00%	-	-	-	0.00%	-	-
25K-50K	4	0	-	0.00%	-	-	-	0.00%	-	-
50K-75K	-	0	-	0.00%	-	-	-	0.00%	-	-
75K-100K	-	0	-	0.00%	-	-	-	0.00%	-	-
100K-500K	-	0	-	0.00%	-	-	-	0.00%	-	-
500K-1M	-	0	-	0.00%	-	-	-	0.00%	-	-
> 1M	-	0	-	0.00%	-	-	-	0.00%	-	-
TOTAL:	17,576									

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	983	0	-	2.29%	-	-	-	0.08%	-	-
101-500	2,153	0	-	2.17%	-	-	-	0.07%	-	-
501-1K	1,173	0	-	1.75%	-	-	-	0.06%	-	-
1K-3.3K	2,527	0	-	1.68%	-	-	-	0.06%	-	-
3.3K-10K	2,143	0	-	2.22%	-	-	-	0.08%	-	-
10K-25K	1,263	0	-	2.04%	-	-	-	0.07%	-	-
25K-50K	657	0	-	2.29%	-	-	-	0.08%	-	-
50K-75K	253	38	15.02%	4.41%	-	-	-	0.15%	-	-
75K-100K	139	16	11.51%	2.26%	-	-	-	0.08%	-	-
100K-500K	294	57	19.39%	2.98%	-	-	-	0.10%	-	-
500K-1M	31	3	9.68%	8.29%	-	-	-	0.28%	-	-
> 1M	18	2	11.11%	4.60%	-	-	-	0.16%	-	-
TOTAL:	11,635									

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	257	0	-	4.45%	-	-	-	0.15%	-	-
101-500	264	0	-	5.11%	-	-	-	0.17%	-	-
501-1K	86	0	-	4.93%	-	-	-	0.17%	-	-
1K-3.3K	75	0	-	4.84%	-	-	-	0.17%	-	-
3.3K-10K	29	0	-	6.59%	-	-	-	0.23%	-	-
10K-25K	4	0	-	0.00%	-	-	-	0.00%	-	-
25K-50K	2	0	-	0.00%	-	-	-	0.00%	-	-
50K-75K	1	0	-	0.00%	-	-	-	0.00%	-	-
75K-100K	-	0	-	0.00%	-	-	-	0.00%	-	-
100K-500K	1	0	-	0.00%	-	-	-	0.00%	-	-
500K-1M	-	0	-	0.00%	-	-	-	0.00%	-	-
> 1M	-	0	-	0.00%	-	-	-	0.00%	-	-
TOTAL:	719									

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 August 2011 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										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	-	-	-	-	-	-	-	-	-	-
101-500	-	-	-	-	-	-	-	-	-	-
501-1K	-	-	-	-	-	-	-	-	-	-
1K-3.3K	-	-	-	-	-	-	-	-	-	-
3.3K-10K	-	-	-	-	-	-	-	-	-	-
10K-25K	-	-	-	-	-	-	-	-	-	-
25K-50K	-	-	-	-	-	-	-	-	-	-
50K-75K	-	1	-	-	1	-	-	1	-	3
75K-100K	-	1	-	-	1	-	-	1	-	3
100K-500K	-	1	-	-	1	-	-	1	-	3
500K-1M	-	1	-	-	1	-	-	1	-	3
> 1M	-	1	-	-	1	-	-	1	-	3
Surface Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	-	-	-	-	-	-	-	-	-	-
101-500	-	-	-	-	-	-	-	-	-	-
501-1K	-	-	-	-	-	-	-	-	-	-
1K-3.3K	-	-	-	-	-	-	-	-	-	-
3.3K-10K	-	-	-	-	-	-	-	-	-	-
10K-25K	-	-	-	-	-	-	-	-	-	-
25K-50K	-	-	-	-	-	-	-	-	-	-
50K-75K	-	1	-	-	1	-	-	1	-	3
75K-100K	-	1	-	-	1	-	-	1	-	3
100K-500K	-	1	-	-	1	-	-	1	-	3
500K-1M	-	1	-	-	1	-	-	1	-	3
> 1M	-	1	-	-	1	-	-	1	-	3

Scenario 2a: Exceed Action Level>>Not Required to Install Source Water Treatment>>Continue to Exceed Action Level

Ground Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	-	-	-	-	-	-	-	-	-	-
101-500	-	-	-	-	-	-	-	-	-	-
501-1K	-	-	-	-	-	-	-	-	-	-
1K-3.3K	-	-	-	-	-	-	-	-	-	-
3.3K-10K	-	1	-	-	-	-	-	-	-	1
10K-25K	-	1	-	-	-	-	-	-	-	1
25K-50K	-	1	-	-	-	-	-	-	-	1
50K-75K	1	-	-	-	-	-	-	-	-	1
75K-100K	1	-	-	-	-	-	-	-	-	1
100K-500K	1	-	-	-	-	-	-	-	-	1
500K-1M	1	-	-	-	-	-	-	-	-	1
> 1M	1	-	-	-	-	-	-	-	-	1
Surface Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	-	-	-	-	-	-	1	-	-	1
101-500	-	-	-	-	-	-	1	-	-	1
501-1K	-	-	-	-	-	-	1	-	-	1
1K-3.3K	-	-	-	-	-	-	1	-	-	1
3.3K-10K	-	-	-	-	-	-	1	-	-	1
10K-25K	-	-	-	-	-	-	1	-	-	1
25K-50K	-	-	-	-	-	-	1	-	-	1
50K-75K	-	-	-	-	-	-	1	-	-	1
75K-100K	-	-	-	-	-	-	1	-	-	1
100K-500K	-	-	-	-	-	-	1	-	-	1
500K-1M	-	-	-	-	-	-	1	-	-	1
> 1M	-	-	-	-	-	-	1	-	-	1

Exhibit 17 - SOURCE WATER MONITORING FOR LEAD & COPPER : Number of Monitoring Events, per System, per Year (cont.)

Scenario 3a: Exceed Action Level>>Required to Install Source Water Treatment>>Continue to Exceed Action Level

Ground Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	-	-	-	1	-	-	-	-	-	1
101-500	-	-	-	1	-	-	-	-	-	1
501-1K	-	-	-	1	-	-	-	-	-	1
1K-3.3K	-	-	-	1	-	-	-	-	-	1
3.3K-10K	-	-	1	-	-	-	-	-	-	1
10K-25K	-	-	1	-	-	-	-	-	-	1
25K-50K	-	-	1	-	-	-	-	-	-	1
50K-75K	-	-	1	-	-	-	-	-	-	1
75K-100K	-	-	1	-	-	-	-	-	-	1
100K-500K	-	-	1	-	-	-	-	-	-	1
500K-1M	-	-	1	-	-	-	-	-	-	1
> 1M	-	-	1	-	-	-	-	-	-	1
Surface Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	-	-	-	-	-	-	-	-	-	-
101-500	-	-	-	-	-	-	-	-	-	-
501-1K	-	-	-	-	-	-	-	-	-	-
1K-3.3K	-	-	-	-	-	-	-	-	-	-
3.3K-10K	-	-	-	-	-	1	-	-	-	1
10K-25K	-	-	-	-	-	1	-	-	-	1
25K-50K	-	-	-	-	-	1	-	-	-	1
50K-75K	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-

Exhibit 18 - Source Water Monitoring: Number of Samples per System, per Year

Scenario 1b: Systems

Ground Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	-	-	-	-	-	-	-	-	-	-
101-500	-	-	-	-	-	-	-	-	-	-
501-1K	-	-	-	-	-	-	-	-	-	-
1K-3.3K	-	-	-	-	-	-	-	-	-	-
3.3K-10K	-	-	-	-	-	-	-	-	-	-
10K-25K	-	-	-	-	-	-	-	-	-	-
25K-50K	-	-	-	-	-	-	-	-	-	-
50K-75K	-	9.2	-	-	9.2	-	-	9.2	-	27.6
75K-100K	-	9.2	-	-	9.2	-	-	9.2	-	27.6
100K-500K	-	12.3	-	-	12.3	-	-	12.3	-	36.8
500K-1M	-	12.3	-	-	12.3	-	-	12.3	-	36.8
> 1M	-	12.3	-	-	12.3	-	-	12.3	-	36.8
Surface Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	-	-	-	-	-	-	-	-	-	-
101-500	-	-	-	-	-	-	-	-	-	-
501-1K	-	-	-	-	-	-	-	-	-	-
1K-3.3K	-	-	-	-	-	-	-	-	-	-
3.3K-10K	-	-	-	-	-	-	-	-	-	-
10K-25K	-	-	-	-	-	-	-	-	-	-
25K-50K	-	-	-	-	-	-	-	-	-	-
50K-75K	-	2.0	-	-	2.0	-	-	2.0	-	5.9
75K-100K	-	2.0	-	-	2.0	-	-	2.0	-	5.9
100K-500K	-	3.2	-	-	3.2	-	-	3.2	-	9.7
500K-1M	-	3.2	-	-	3.2	-	-	3.2	-	9.7
> 1M	-	3.2	-	-	3.2	-	-	3.2	-	9.7

Scenario 2a: Exceed Action Level>>Not Required to Install Source Water Treatment>>Continue to Exceed Action Level

Ground Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	-	-	-	-	-	-	-	-	-	-
101-500	-	-	-	-	-	-	-	-	-	-
501-1K	-	-	-	-	-	-	-	-	-	-
1K-3.3K	-	-	-	-	-	-	-	-	-	-
3.3K-10K	-	2.2	-	-	-	-	-	-	-	2.2
10K-25K	-	3.4	-	-	-	-	-	-	-	3.4
25K-50K	-	3.4	-	-	-	-	-	-	-	3.4
50K-75K	9.2	-	-	-	-	-	-	-	-	9.2
75K-100K	9.2	-	-	-	-	-	-	-	-	9.2
100K-500K	12.3	-	-	-	-	-	-	-	-	12.3
500K-1M	12.3	-	-	-	-	-	-	-	-	12.3
> 1M	12.3	-	-	-	-	-	-	-	-	12.3
Surface Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	-	-	-	-	-	-	1.1	-	-	1.1
101-500	-	-	-	-	-	-	1.1	-	-	1.1
501-1K	-	-	-	-	-	-	1.3	-	-	1.3
1K-3.3K	-	-	-	-	-	-	1.3	-	-	1.3
3.3K-10K	-	-	-	-	-	-	1.3	-	-	1.3
10K-25K	-	-	-	-	-	-	1.6	-	-	1.6
25K-50K	-	-	-	-	-	-	1.6	-	-	1.6
50K-75K	-	-	-	-	-	-	2.0	-	-	2.0
75K-100K	-	-	-	-	-	-	2.0	-	-	2.0
100K-500K	-	-	-	-	-	-	3.2	-	-	3.2
500K-1M	-	-	-	-	-	-	3.2	-	-	3.2
> 1M	-	-	-	-	-	-	3.2	-	-	3.2

Exhibit 18 - Source Water Monitoring: Number of Samples per System, per Year (cont.)

Scenario 3a: Exceed Action Level>>Required to Install Source Water Treatment>>Continue to Exceed Action Level

Ground Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	-	-	-	1.1	-	-	-	-	-	1.1
101-500	-	-	-	1.2	-	-	-	-	-	1.2
501-1K	-	-	-	1.6	-	-	-	-	-	1.6
1K-3.3K	-	-	-	1.8	-	-	-	-	-	1.8
3.3K-10K	-	-	2.2	-	-	-	-	-	-	2.2
10K-25K	-	-	3.4	-	-	-	-	-	-	3.4
25K-50K	-	-	3.4	-	-	-	-	-	-	3.4
50K-75K	-	-	9.2	-	-	-	-	-	-	9.2
75K-100K	-	-	9.2	-	-	-	-	-	-	9.2
100K-500K	-	-	12.3	-	-	-	-	-	-	12.3
500K-1M	-	-	12.3	-	-	-	-	-	-	12.3
> 1M	-	-	12.3	-	-	-	-	-	-	12.3
Surface Water Systems										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	-	-	-	-	-	-	-	-	-	-
101-500	-	-	-	-	-	-	-	-	-	-
501-1K	-	-	-	-	-	-	-	-	-	-
1K-3.3K	-	-	-	-	-	-	-	-	-	-
3.3K-10K	-	-	-	-	-	1.3	-	-	-	1.3
10K-25K	-	-	-	-	-	1.6	-	-	-	1.6
25K-50K	-	-	-	-	-	1.6	-	-	-	1.6
50K-75K	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-

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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)												
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
501-1K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
1K-3.3K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
50K-75K	22	-	202	-	-	202	-	-	202	-	-	202	-	202	67	22	7	303	101	\$ 9,821	\$ 3,274	\$ 1,391	\$ 464
75K-100K	10	-	92	-	-	92	-	-	92	-	-	92	-	92	31	10	3	138	46	\$ 4,464	\$ 1,488	\$ 632	\$ 211
100K-500K	22	-	270	-	-	270	-	-	270	-	-	270	-	270	90	22	7	404	135	\$ 13,099	\$ 4,366	\$ 1,856	\$ 619
500K-1M	1	-	12	-	-	12	-	-	12	-	-	12	-	12	4	1	0	18	6	\$ 595	\$ 198	\$ 84	\$ 28
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	55	-	576	-	-	576	-	-	576	-	-	576	-	576	192	55	18	864	288	\$ 27,980	\$ 9,327	\$ 3,964	\$ 1,321
GROUND WATER: NTNCWSs																							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)												
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
501-1K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1K-3.3K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GROUND WATER: ALL SYSTEMS																							
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)												
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
501-1K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1K-3.3K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50K-75K	22	-	202	-	-	202	-	-	202	-	-	202	-	202	67	22	7	303	101	\$ 9,821	\$ 3,274	\$ 1,391	\$ 464
75K-100K	10	-	92	-	-	92	-	-	92	-	-	92	-	92	31	10	3	138	46	\$ 4,464	\$ 1,488	\$ 632	\$ 211
100K-500K	22	-	270	-	-	270	-	-	270	-	-	270	-	270	90	22	7	404	135	\$ 13,099	\$ 4,366	\$ 1,856	\$ 619
500K-1M	1	-	12	-	-	12	-	-	12	-	-	12	-	12	4	1	0	18	6	\$ 595	\$ 198	\$ 84	\$ 28
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	55	-	576	-	-	576	-	-	576	-	-	576	-	576	192	55	18	864	288	\$ 27,980	\$ 9,327	\$ 3,964	\$ 1,321

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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)											
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
501-1K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1K-3.3K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
50K-75K	38	-	74	-	-	74	-	-	74	-	74	-	74	25	38	13	111	37	\$ 3,604	\$ 1,201	\$ 511	\$ 170
75K-100K	16	-	31	-	-	31	-	-	31	-	31	-	31	10	16	5	47	16	\$ 1,517	\$ 506	\$ 215	\$ 72
100K-500K	57	-	184	-	-	184	-	-	184	-	184	-	184	61	57	19	276	92	\$ 8,943	\$ 2,981	\$ 1,267	\$ 422
500K-1M	3	-	10	-	-	10	-	-	10	-	10	-	10	3	3	1	15	5	\$ 471	\$ 157	\$ 67	\$ 22
> 1M	2	-	6	-	-	6	-	-	6	-	6	-	6	2	2	1	10	3	\$ 314	\$ 105	\$ 44	\$ 15
Total	116	-	306	-	-	306	-	-	306	-	306	-	306	102	116	39	459	153	\$ 14,849	\$ 4,950	\$ 2,104	\$ 701
SURFACE WATER: NTCWSs																						
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)											
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
501-1K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1K-3.3K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SURFACE WATER: ALL SYSTEMS																						
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)											
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
501-1K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1K-3.3K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50K-75K	38	-	74	-	-	74	-	-	74	-	74	-	74	25	38	13	111	37	\$ 3,604	\$ 1,201	\$ 511	\$ 170
75K-100K	16	-	31	-	-	31	-	-	31	-	31	-	31	10	16	5	47	16	\$ 1,517	\$ 506	\$ 215	\$ 72
100K-500K	57	-	184	-	-	184	-	-	184	-	184	-	184	61	57	19	276	92	\$ 8,943	\$ 2,981	\$ 1,267	\$ 422
500K-1M	3	-	10	-	-	10	-	-	10	-	10	-	10	3	3	1	15	5	\$ 471	\$ 157	\$ 67	\$ 22
> 1M	2	-	6	-	-	6	-	-	6	-	6	-	6	2	2	1	10	3	\$ 314	\$ 105	\$ 44	\$ 15
Total	116	-	306	-	-	306	-	-	306	-	306	-	306	102	116	39	459	153	\$ 14,849	\$ 4,950	\$ 2,104	\$ 701

Scenario 2a: Exceed Action Level>>Not Required to Install Source Water Treatments>>Continue to Exceed Action Level

GROUND WATER: CWSS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	267	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
101-500	298	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
501-1K	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1K-3.3K	96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.3K-10K	61	-	132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10K-25K	20	-	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25K-50K	8	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50K-75K	5	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
75K-100K	1	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100K-500K	2	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	836	80	228	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GROUND WATER: NTNCWSS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	381	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
101-500	331	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
501-1K	82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1K-3.3K	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.3K-10K	7	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	838	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GROUND WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	648	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
101-500	629	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
501-1K	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1K-3.3K	133	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.3K-10K	68	-	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10K-25K	20	-	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25K-50K	8	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50K-75K	5	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
75K-100K	1	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100K-500K	2	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	1,674	80	235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	-	-	-	24	-	-	24	8	22	7	35	12	\$ 1,146	\$ 382
101-500	47	-	-	-	-	-	-	53	-	-	53	18	47	16	79	26	\$ 2,553	\$ 851	\$ 362	\$ 121
501-1K	21	-	-	-	-	-	-	28	-	-	28	9	21	7	41	14	\$ 1,337	\$ 446	\$ 189	\$ 63
1K-3.3K	43	-	-	-	-	-	-	55	-	-	55	18	43	14	82	27	\$ 2,658	\$ 886	\$ 377	\$ 126
3.3K-10K	48	-	-	-	-	-	-	60	-	-	60	20	48	16	90	30	\$ 2,921	\$ 974	\$ 414	\$ 138
10K-25K	26	-	-	-	-	-	-	41	-	-	41	14	26	9	61	20	\$ 1,969	\$ 656	\$ 279	\$ 93
25K-50K	15	-	-	-	-	-	-	23	-	-	23	8	15	5	35	12	\$ 1,136	\$ 379	\$ 161	\$ 54
50K-75K	11	-	-	-	-	-	-	21	-	-	21	7	11	4	32	11	\$ 1,043	\$ 348	\$ 148	\$ 49
75K-100K	3	-	-	-	-	-	-	6	-	-	6	2	3	1	9	3	\$ 285	\$ 95	\$ 40	\$ 13
100K-500K	9	-	-	-	-	-	-	29	-	-	29	10	9	3	44	15	\$ 1,412	\$ 471	\$ 200	\$ 67
500K-1M	3	-	-	-	-	-	-	10	-	-	10	3	3	1	15	5	\$ 471	\$ 157	\$ 67	\$ 22
> 1M	1	-	-	-	-	-	-	3	-	-	3	1	1	0	5	2	\$ 157	\$ 52	\$ 22	\$ 7
Total	249	-	-	-	-	-	-	352	-	-	352	117	249	83	528	176	\$ 17,088	\$ 5,696	\$ 2,421	\$ 807

SURFACE WATER: NTCWSS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	-	-	-	11	-	-	11	4	11	4	17	6	\$ 534	\$ 178
101-500	14	-	-	-	-	-	-	14	-	-	14	5	14	5	21	7	\$ 680	\$ 227	\$ 96	\$ 32
501-1K	4	-	-	-	-	-	-	4	-	-	4	1	4	1	6	2	\$ 194	\$ 65	\$ 28	\$ 9
1K-3.3K	4	-	-	-	-	-	-	4	-	-	4	1	4	1	6	2	\$ 194	\$ 65	\$ 28	\$ 9
3.3K-10K	2	-	-	-	-	-	-	2	-	-	2	1	2	1	3	1	\$ 97	\$ 32	\$ 14	\$ 5
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	35	-	-	-	-	-	-	35	-	-	35	12	35	12	53	18	\$ 1,700	\$ 567	\$ 241	\$ 80

SURFACE WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	-	-	-	35	-	-	35	12	33	11	52	17	\$ 1,681	\$ 560
101-500	61	-	-	-	-	-	-	67	-	-	67	22	61	20	100	33	\$ 3,233	\$ 1,078	\$ 458	\$ 153
501-1K	25	-	-	-	-	-	-	32	-	-	32	11	25	8	47	16	\$ 1,532	\$ 511	\$ 217	\$ 72
1K-3.3K	47	-	-	-	-	-	-	59	-	-	59	20	47	16	88	29	\$ 2,852	\$ 951	\$ 404	\$ 135
3.3K-10K	50	-	-	-	-	-	-	62	-	-	62	21	50	17	93	31	\$ 3,018	\$ 1,006	\$ 428	\$ 143
10K-25K	26	-	-	-	-	-	-	41	-	-	41	14	26	9	61	20	\$ 1,969	\$ 656	\$ 279	\$ 93
25K-50K	15	-	-	-	-	-	-	23	-	-	23	8	15	5	35	12	\$ 1,136	\$ 379	\$ 161	\$ 54
50K-75K	11	-	-	-	-	-	-	21	-	-	21	7	11	4	32	11	\$ 1,043	\$ 348	\$ 148	\$ 49
75K-100K	3	-	-	-	-	-	-	6	-	-	6	2	3	1	9	3	\$ 285	\$ 95	\$ 40	\$ 13
100K-500K	9	-	-	-	-	-	-	29	-	-	29	10	9	3	44	15	\$ 1,412	\$ 471	\$ 200	\$ 67
500K-1M	3	-	-	-	-	-	-	10	-	-	10	3	3	1	15	5	\$ 471	\$ 157	\$ 67	\$ 22
> 1M	1	-	-	-	-	-	-	3	-	-	3	1	1	0	5	2	\$ 157	\$ 52	\$ 22	\$ 7
Total	284	-	-	-	-	-	-	387	-	-	387	129	284	95	580	193	\$ 18,789	\$ 6,263	\$ 2,662	\$ 887

Scenario 3a: Exceed Action Level>>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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
101-500	10	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
501-1K	3	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1K-3.3K	3	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.3K-10K	2	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10K-25K	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	28	-	-	8	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

GROUND WATER: NTNCWSs																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
101-500	11	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
501-1K	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1K-3.3K	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	28	-	-	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

GROUND WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
101-500	21	-	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
501-1K	6	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1K-3.3K	4	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.3K-10K	2	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10K-25K	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	56	-	-	8	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
101-500	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
501-1K	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1K-3.3K	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3K-10K	2	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
10K-25K	1	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
25K-50K	1	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	9	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-
SURFACE WATER: NTCWSs																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
501-1K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1K-3.3K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SURFACE WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
101-500	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
501-1K	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1K-3.3K	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3K-10K	2	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
10K-25K	1	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
25K-50K	1	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	9	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-

Exhibit 19 - SOURCE WATER MONITORING FOR LEAD & COPPER - MONITORING, BURDEN, AND COST SUMMARY (cont.)

Summary - All Scenarios

GROUND WATER: CWSs																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-
101-500	308	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
501-1K	81	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1K-3.3K	99	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3K-10K	63	-	132	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10K-25K	21	-	69	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25K-50K	8	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50K-75K	27	46	202	-	-	202	-	-	202	-	202	67	22	7	303	101	\$ 9,821	\$ 3,274	\$ 1,391	\$ 464
75K-100K	11	9	92	-	-	92	-	-	92	-	92	31	10	3	138	46	\$ 4,464	\$ 1,488	\$ 632	\$ 211
100K-500K	24	25	270	-	-	270	-	-	270	-	270	90	22	7	404	135	\$ 13,099	\$ 4,366	\$ 1,856	\$ 619
500K-1M	1	-	12	-	-	12	-	-	12	-	12	4	1	0	18	6	\$ 595	\$ 198	\$ 84	\$ 28
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	919	80	804	8	32	576	-	-	576	-	576	192	55	18	864	288	\$ 27,980	\$ 9,327	\$ 3,964	\$ 1,321
GROUND WATER: NTCWSS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	394	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-
101-500	342	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
501-1K	85	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1K-3.3K	38	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3K-10K	7	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	866	-	7	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GROUND WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	670	-	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-
101-500	650	-	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
501-1K	166	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1K-3.3K	137	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3K-10K	70	-	139	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10K-25K	21	-	69	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25K-50K	8	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50K-75K	27	46	202	-	-	202	-	-	202	-	202	67	22	7	303	101	\$ 9,821	\$ 3,274	\$ 1,391	\$ 464
75K-100K	11	9	92	-	-	92	-	-	92	-	92	31	10	3	138	46	\$ 4,464	\$ 1,488	\$ 632	\$ 211
100K-500K	24	25	270	-	-	270	-	-	270	-	270	90	22	7	404	135	\$ 13,099	\$ 4,366	\$ 1,856	\$ 619
500K-1M	1	-	12	-	-	12	-	-	12	-	12	4	1	0	18	6	\$ 595	\$ 198	\$ 84	\$ 28
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1,785	80	811	8	60	576	-	-	576	-	576	192	55	18	864	288	\$ 27,980	\$ 9,327	\$ 3,964	\$ 1,321

Exhibit 19 - SOURCE WATER 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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	23	-	-	-	-	-	24	-	-	24	8	22	7	35	12	\$ 1,146	\$ 382	\$ 162
101-500	49	-	-	-	-	-	53	-	-	53	18	47	16	79	26	\$ 2,553	\$ 851	\$ 362	\$ 121	
501-1K	22	-	-	-	-	-	28	-	-	28	9	21	7	41	14	\$ 1,337	\$ 446	\$ 189	\$ 63	
1K-3.3K	44	-	-	-	-	-	55	-	-	55	18	43	14	82	27	\$ 2,658	\$ 886	\$ 377	\$ 126	
3.3K-10K	50	-	-	-	-	-	60	-	-	60	21	50	17	94	31	\$ 3,043	\$ 1,014	\$ 431	\$ 144	
10K-25K	27	-	-	-	-	-	41	-	-	42	14	27	9	63	21	\$ 2,045	\$ 682	\$ 290	\$ 97	
25K-50K	16	-	-	-	-	-	23	-	-	25	8	16	5	37	12	\$ 1,212	\$ 404	\$ 172	\$ 57	
50K-75K	49	-	74	-	-	74	-	-	-	21	74	-	-	143	48	\$ 4,647	\$ 1,549	\$ 658	\$ 219	
75K-100K	19	-	31	-	-	31	-	-	-	6	31	-	-	56	19	\$ 1,802	\$ 601	\$ 255	\$ 85	
100K-500K	66	-	184	-	-	184	-	-	-	29	184	-	-	320	107	\$ 10,355	\$ 3,452	\$ 1,467	\$ 489	
500K-1M	6	-	10	-	-	10	-	-	-	10	10	-	-	29	10	\$ 941	\$ 314	\$ 133	\$ 44	
> 1M	3	-	6	-	-	6	-	-	-	3	6	-	-	15	5	\$ 471	\$ 157	\$ 67	\$ 22	
Total	374	-	306	-	-	306	6	352	306	663	221	369	123	995	332	\$ 32,210	\$ 10,737	\$ 4,563	\$ 1,521	

SURFACE WATER: NTNCWSs																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	-	-	11	-	-	11	6	11	6	17	8	\$ 534	\$ 267	\$ 76
101-500	14	-	-	-	-	-	14	-	-	14	7	14	7	21	11	\$ 680	\$ 340	\$ 96	\$ 48	
501-1K	4	-	-	-	-	-	4	-	-	4	2	4	2	6	3	\$ 194	\$ 97	\$ 28	\$ 14	
1K-3.3K	4	-	-	-	-	-	4	-	-	4	2	4	2	6	3	\$ 194	\$ 97	\$ 28	\$ 14	
3.3K-10K	2	-	-	-	-	-	2	-	-	2	1	2	1	3	2	\$ 97	\$ 49	\$ 14	\$ 7	
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	35	-	-	-	-	-	35	-	-	35	18	35	18	53	26	\$ 1,700	\$ 850	\$ 241	\$ 120	

SURFACE WATER: ALL SYSTEMS																				
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	34	-	-	-	-	-	35	-	-	35	13	33	13	52	20	\$ 1,681	\$ 649	\$ 238
101-500	63	-	-	-	-	-	67	-	-	67	25	61	23	100	37	\$ 3,233	\$ 1,191	\$ 458	\$ 169	
501-1K	26	-	-	-	-	-	32	-	-	32	11	25	9	47	17	\$ 1,532	\$ 543	\$ 217	\$ 77	
1K-3.3K	48	-	-	-	-	-	59	-	-	59	20	47	16	88	30	\$ 2,852	\$ 983	\$ 404	\$ 139	
3.3K-10K	52	-	-	-	-	-	62	-	-	65	22	52	18	97	33	\$ 3,140	\$ 1,063	\$ 445	\$ 151	
10K-25K	27	-	-	-	-	-	41	-	-	42	14	27	9	63	21	\$ 2,045	\$ 682	\$ 290	\$ 97	
25K-50K	16	-	-	-	-	-	23	-	-	25	8	16	5	37	12	\$ 1,212	\$ 404	\$ 172	\$ 57	
50K-75K	49	-	74	-	-	74	-	-	-	21	74	-	-	143	48	\$ 4,647	\$ 1,549	\$ 658	\$ 219	
75K-100K	19	-	31	-	-	31	-	-	-	6	31	-	-	56	19	\$ 1,802	\$ 601	\$ 255	\$ 85	
100K-500K	66	-	184	-	-	184	-	-	-	29	184	-	-	320	107	\$ 10,355	\$ 3,452	\$ 1,467	\$ 489	
500K-1M	6	-	10	-	-	10	-	-	-	10	10	-	-	29	10	\$ 941	\$ 314	\$ 133	\$ 44	
> 1M	3	-	6	-	-	6	-	-	-	3	6	-	-	15	5	\$ 471	\$ 157	\$ 67	\$ 22	
Total	409	-	306	-	-	306	6	387	306	698	239	404	141	1,047	358	\$ 33,910	\$ 11,587	\$ 4,804	\$ 1,642	

Exhibit 19 - SOURCE WATER 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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)									
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	704	-	-	-	23	-	-	35	-	-	35	13	33	13	52	20	\$ 1,681	\$ 649	\$ 238	\$ 92
101-500	713	-	-	-	23	-	-	67	-	-	67	25	61	23	100	37	\$ 3,233	\$ 1,191	\$ 458	\$ 169
501-1K	192	-	-	-	8	-	-	32	-	-	32	11	25	9	47	17	\$ 1,532	\$ 543	\$ 217	\$ 77
1K-3.3K	185	-	-	-	6	-	-	59	-	-	59	20	47	16	88	30	\$ 2,852	\$ 983	\$ 404	\$ 139
3.3K-10K	122	-	139	4	-	-	3	62	-	-	65	22	52	18	97	33	\$ 3,140	\$ 1,063	\$ 445	\$ 151
10K-25K	48	-	69	3	-	-	2	41	-	-	42	14	27	9	63	21	\$ 2,045	\$ 682	\$ 290	\$ 97
25K-50K	24	-	28	-	-	-	2	23	-	-	25	8	16	5	37	12	\$ 1,212	\$ 404	\$ 172	\$ 57
50K-75K	76	46	276	-	-	276	-	21	276	-	298	99	71	24	447	149	\$ 14,468	\$ 4,823	\$ 2,050	\$ 683
75K-100K	30	9	123	-	-	123	-	6	123	-	129	43	29	10	193	64	\$ 6,266	\$ 2,089	\$ 888	\$ 296
100K-500K	90	25	454	-	-	454	-	29	454	-	483	161	88	29	724	241	\$ 23,454	\$ 7,818	\$ 3,323	\$ 1,108
500K-1M	7	-	22	-	-	22	-	10	22	-	32	11	7	2	47	16	\$ 1,537	\$ 512	\$ 218	\$ 73
> 1M	3	-	6	-	-	6	-	3	6	-	10	3	3	1	15	5	\$ 471	\$ 157	\$ 67	\$ 22
Total	2,194	80	1,117	8	60	882	6	387	882	-	1,274	431	459	159	1,911	646	\$ 61,891	\$ 20,914	\$ 8,768	\$ 2,963

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 & under	12,634	769,210	61	459,225	36
101 to 500	15,890	4,026,677	253	1,607,589	101
501 to 1,000	5,636	4,160,281	738	1,626,467	289
1,001 to 3,300	8,221	15,702,700	1,910	5,798,783	705
3,301 to 10,000	4,882	28,454,618	5,828	10,211,575	2,092
10,001 to 25,000	2,227	35,390,963	15,892	12,225,948	5,490
25,001 to 50,000	1,013	35,448,335	34,993	11,516,107	11,368
50,001 to 75,000	373	22,456,689	60,206	7,469,819	20,026
75,001 to 100,000	171	14,835,562	86,758	4,429,579	25,904
100,001 to 500,000	357	67,567,627	189,265	20,436,337	57,245
500,001 to 1 Million	35	24,610,600	703,160	7,447,456	212,784
Over 1 Million	21	44,201,204	2,104,819	10,293,795	490,181
Total	51,460	297,624,466	5,784	93,522,680	1,817

Size Category	Nontransient Noncommunity Water Systems (NTNCWSs)				
	Number of Systems	Popul	Average Popul/Sys	Service Connections	Average SCon/Sys
100 and under	8,828	493,450	56	34,604	4
101 to 500	6,731	1,689,940	251	53,970	8
501 to 1,000	1,745	1,259,054	722	21,645	12
1,001 to 3,300	839	1,421,374	1,694	31,104	37
3,301 to 10,000	132	697,203	5,282	17,415	132
10,001 to 25,000	12	151,899	12,658	288	24
25,001 to 50,000	6	223,893	37,316	344	57
50,001 to 75,000	1	71,963	71,963	184	184
75,001 to 100,000	0	0	N/A	0	N/A
100,001 to 500,000	1	203,000	203,000	2,181	2,181
500,001 to 1 Million	0	0	N/A	0	N/A
Over 1 Million	0	0	N/A	0	N/A
Total	18,295	6,211,776	340	161,735	9

Source: SDWIS/FED Data from October 2010

Exhibit 21 - LSL MONITORING - MONITORING, NOTIFICATION, BURDEN, AND COST ASSUMPTIONS

State Labor Rate \$43.79

System Labor Rates	
≤100	\$32.38
101-500	\$32.38
501-1K	\$32.38
1K-3.3K	\$32.38
3.3K-10K	\$32.38
10K-25K	\$32.38
25K-50K	\$32.38
50K-75K	\$32.38
75K-100K	\$32.38
100K-500K	\$32.38
500K-1M	\$32.38
> 1M	\$32.38

Households/Service Connection

2.3

Inflation Factor 1.31

Postage \$ 0.44
 Paper and Envelope (O&M) \$ 0.05

PWS Labor Rate

Base (Hourly) \$20.24 2010\$ National Occupational Employment and Wage Estimates,
 Load Factor 1.6
 Inflation Factor 1.00 1 ECI New
 Total \$32.38 1 ECI Base

State Labor Rate

Base (Hourly) \$27.37 2010\$ National Occupational Employment and Wage Estimates,
 Load Factor 1.6
 Inflation Factor 1.00 1 ECI New
 Total \$43.79 1 ECI Base

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.
 218.056 2010 Annual Average.
 166.6 CPI-U Base Year

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	237	36	83	2.5	0.25	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 8.10
101-500	240	101	232	2.5	0.25	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 8.10
501-1K	61	289	665	2.5	0.25	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 8.10
1K-3.3K	60	705	1,622	2.5	0.25	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 8.10
3.3K-10K	34	2,092	4,812	2.5	0.25	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 8.10
10K-25K	10	5,490	12,627	2.5	0.25	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 8.10
25K-50K	4	11,368	26,146	2.5	0.25	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 8.10
50K-75K	2	20,026	46,060	2.5	0.50	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 16.19
75K-100K	-	25,904	59,579	2.5	0.50	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 16.19
100K-500K	-	57,245	131,664	2.5	0.50	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 16.19
500K-1M	-	212,784	489,403	2.5	0.50	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 16.19
> 1M	-	490,181	1,127,416	2.5	0.50	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 16.19
TOTAL:	648									
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	710	36	83	2.5	0.25	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 8.10
101-500	719	101	232	2.5	0.25	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 8.10
501-1K	185	289	665	2.5	0.25	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 8.10
1K-3.3K	177	705	1,622	2.5	0.25	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 8.10
3.3K-10K	99	2,092	4,812	2.5	0.25	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 8.10
10K-25K	30	5,490	12,627	2.5	0.25	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 8.10
25K-50K	12	11,368	26,146	2.5	0.25	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 8.10
50K-75K	8	20,026	46,060	2.5	0.50	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 16.19
75K-100K	2	25,904	59,579	2.5	0.50	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 16.19
100K-500K	2	57,245	131,664	2.5	0.50	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 16.19
500K-1M	0	212,784	489,403	2.5	0.50	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 16.19
> 1M	0	490,181	1,127,416	2.5	0.50	\$ 32.38	\$ 3.44	\$ 0.49	\$ 80.96	\$ 16.19
TOTAL:	1,944									

Notes: Number of systems required to monitor based on actual number of systems exceeding action levels - figures carried forward from previous ICR.
Average number of service connections (LSLs) per system from SDWIS database as of October 2010.
Total households per system calculated based on EPA estimate of 2.3 households per service connection (LSL) - assumption carried forward from previous ICR.
Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

Exhibit 23 - LSL MONITORING - MONITORING SCENARIO ALLOCATION

CWSS: Study Required					
Size Category	Total Systems	Percent of Systems Under Each Monitoring Scenario			
		1	2	3	4
		Initial LSL Monitoring (Study Required)	Initial LSL Monitoring (No Study Required)	Partial LSL Monitoring (Study Required)	Partial LSL Monitoring (No Study Required)
≤100	237	100%	-	100%	-
101-500	240	100%	-	100%	-
501-1K	61	100%	-	100%	-
1K-3.3K	60	100%	-	100%	-
3.3K-10K	34	100%	-	100%	-
10K-25K	10	100%	-	100%	-
25K-50K	4	100%	-	100%	-
50K-75K	2	100%	-	100%	-
75K-100K	-	100%	-	100%	-
100K-500K	-	100%	-	100%	-
500K-1M	-	100%	-	100%	-
> 1M	-	100%	-	100%	-
TOTAL:	648				
CWSS: No Study Required					
Size Category	Total Systems	Percent of Systems Under Each Monitoring Scenario			
		1	2	3	4
		Initial LSL Monitoring (Study Required)	Initial LSL Monitoring (No Study Required)	Partial LSL Monitoring (Study Required)	Partial LSL Monitoring (No Study Required)
≤100	710	-	100%	-	100%
101-500	719	-	100%	-	100%
501-1K	185	-	100%	-	100%
1K-3.3K	177	-	100%	-	100%
3.3K-10K	99	-	100%	-	100%
10K-25K	30	-	100%	-	100%
25K-50K	12	-	100%	-	100%
50K-75K	8	-	-	-	-
75K-100K	2	-	-	-	-
100K-500K	2	-	-	-	-
500K-1M	-	-	-	-	-
> 1M	-	-	-	-	-
TOTAL:	1,944				

Exhibit 24 - LSL Monitoring: Number of Monitoring and Notification Events per System, per Year

SCENARIO 1: Initial LSL Monitoring (Study Required)

CWSs (Monitoring)										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	2	2	2	2	2	2	2	2	2	22
101-500	7	7	7	7	7	7	7	7	7	61
501-1K	19	19	19	19	19	19	19	19	19	173
1K-3.3K	47	47	47	47	47	47	47	47	47	423
3.3K-10K	139	139	139	139	139	139	139	139	139	1,255
10K-25K	366	366	366	366	366	366	366	366	366	3,294
25K-50K	758	758	758	758	758	758	758	758	758	6,821
50K-75K	1,335	1,335	1,335	1,335	1,335	1,335	1,335	1,335	1,335	12,016
75K-100K	1,727	1,727	1,727	1,727	1,727	1,727	1,727	1,727	1,727	15,542
100K-500K	3,816	3,816	3,816	3,816	3,816	3,816	3,816	3,816	3,816	34,347
500K-1M	14,186	14,186	14,186	14,186	14,186	14,186	14,186	14,186	14,186	127,670
> 1M	32,679	32,679	32,679	32,679	32,679	32,679	32,679	32,679	32,679	294,109

SCENARIO 2: Initial LSL Monitoring (No Study Required)

CWSs (Monitoring)										
Size Category	Years (Representing 9-Year Compliance Cycle)									Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016	
≤100	2	2	2	2	2	2	2	2	2	22
101-500	7	7	7	7	7	7	7	7	7	61
501-1K	19	19	19	19	19	19	19	19	19	173
1K-3.3K	47	47	47	47	47	47	47	47	47	423
3.3K-10K	139	139	139	139	139	139	139	139	139	1,255
10K-25K	366	366	366	366	366	366	366	366	366	3,294
25K-50K	758	758	758	758	758	758	758	758	758	6,821
50K-75K	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-

Exhibit 24 - LSL Monitoring: Number of Monitoring and Notification Events per System, per Year (cont.)

SCENARIO 3: Partial LSL Replacement (Study Required)

CWSs (Monitoring)											
Size Category	Years (Representing 9-Year Compliance Cycle)										Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016		
≤100	2	2	2	2	2	2	2	2	2	2	22
101-500	4	4	4	4	4	4	4	4	4	4	36
501-1K	12	12	12	12	12	12	12	12	12	12	104
1K-3.3K	28	28	28	28	28	28	28	28	28	28	254
3.3K-10K	84	84	84	84	84	84	84	84	84	84	753
10K-25K	220	220	220	220	220	220	220	220	220	220	1,976
25K-50K	455	455	455	455	455	455	455	455	455	455	4,092
50K-75K	801	801	801	801	801	801	801	801	801	801	7,209
75K-100K	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	9,325
100K-500K	2,290	2,290	2,290	2,290	2,290	2,290	2,290	2,290	2,290	2,290	20,608
500K-1M	8,511	8,511	8,511	8,511	8,511	8,511	8,511	8,511	8,511	8,511	76,602
> 1M	19,607	19,607	19,607	19,607	19,607	19,607	19,607	19,607	19,607	19,607	176,465
CWSs (Notifications)											
Size Category	Years (Representing 9-Year Compliance Cycle)										Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016		
≤100	6	6	6	6	6	6	6	6	6	6	50
101-500	9	9	9	9	9	9	9	9	9	9	84
501-1K	27	27	27	27	27	27	27	27	27	27	239
1K-3.3K	65	65	65	65	65	65	65	65	65	65	584
3.3K-10K	192	192	192	192	192	192	192	192	192	192	1,732
10K-25K	505	505	505	505	505	505	505	505	505	505	4,546
25K-50K	1,046	1,046	1,046	1,046	1,046	1,046	1,046	1,046	1,046	1,046	9,413
50K-75K	1,842	1,842	1,842	1,842	1,842	1,842	1,842	1,842	1,842	1,842	16,582
75K-100K	2,383	2,383	2,383	2,383	2,383	2,383	2,383	2,383	2,383	2,383	21,449
100K-500K	5,267	5,267	5,267	5,267	5,267	5,267	5,267	5,267	5,267	5,267	47,399
500K-1M	19,576	19,576	19,576	19,576	19,576	19,576	19,576	19,576	19,576	19,576	176,185
> 1M	45,097	45,097	45,097	45,097	45,097	45,097	45,097	45,097	45,097	45,097	405,870

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)											
Size Category	Years (Representing 9-Year Compliance Cycle)										Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016		
≤100	2	2	2	2	2	2	2	2	2	2	22
101-500	4	4	4	4	4	4	4	4	4	4	36
501-1K	12	12	12	12	12	12	12	12	12	12	104
1K-3.3K	28	28	28	28	28	28	28	28	28	28	254
3.3K-10K	84	84	84	84	84	84	84	84	84	84	753
10K-25K	220	220	220	220	220	220	220	220	220	220	1,976
25K-50K	455	455	455	455	455	455	455	455	455	455	4,092
50K-75K	-	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-	-
CWSs (Notifications)											
Size Category	Years (Representing 9-Year Compliance Cycle)										Total
	2008	2009	2010	2011	2012	2013	2014	2015	2016		
≤100	6	6	6	6	6	6	6	6	6	6	50
101-500	9	9	9	9	9	9	9	9	9	9	84
501-1K	27	27	27	27	27	27	27	27	27	27	239
1K-3.3K	65	65	65	65	65	65	65	65	65	65	584
3.3K-10K	192	192	192	192	192	192	192	192	192	192	1,732
10K-25K	505	505	505	505	505	505	505	505	505	505	4,546
25K-50K	1,046	1,046	1,046	1,046	1,046	1,046	1,046	1,046	1,046	1,046	9,413
50K-75K	-	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-	-

Exhibit 25 - LSL MONITORING - MONITORING, NOTIFICATION, BURDEN, AND COST SUMMARY

SCENARIO 1: Initial LSL Monitoring (Study Required)

CWSs																		
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)										Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)						
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Samples	Annual Samples	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	237	569	569	569	569	569	569	569	569	569	1,706	569	4,266	1,422	\$ 138,150	\$ 46,050	\$ 5,872	\$ 1,957
101-500	240	1,616	1,616	1,616	1,616	1,616	1,616	1,616	1,616	1,616	4,848	1,616	12,120	4,040	\$ 392,494	\$ 130,831	\$ 16,681	\$ 5,560
501-1K	61	1,175	1,175	1,175	1,175	1,175	1,175	1,175	1,175	1,175	3,526	1,175	8,815	2,938	\$ 285,449	\$ 95,150	\$ 12,132	\$ 4,044
1K-3.3K	60	2,820	2,820	2,820	2,820	2,820	2,820	2,820	2,820	2,820	8,460	2,820	21,150	7,050	\$ 684,922	\$ 228,307	\$ 29,110	\$ 9,703
3.3K-10K	34	4,742	4,742	4,742	4,742	4,742	4,742	4,742	4,742	4,742	14,226	4,742	35,564	11,855	\$ 1,151,705	\$ 383,902	\$ 48,949	\$ 16,316
10K-25K	10	3,660	3,660	3,660	3,660	3,660	3,660	3,660	3,660	3,660	10,980	3,660	27,450	9,150	\$ 888,941	\$ 296,314	\$ 37,781	\$ 12,594
25K-50K	4	3,031	3,031	3,031	3,031	3,031	3,031	3,031	3,031	3,031	9,094	3,031	22,736	7,579	\$ 736,283	\$ 245,428	\$ 31,293	\$ 10,431
50K-75K	2	2,670	2,670	2,670	2,670	2,670	2,670	2,670	2,670	2,670	8,010	2,670	20,026	6,675	\$ 648,522	\$ 216,174	\$ 27,563	\$ 9,188
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	648	20,284	20,284	20,284	20,284	20,284	20,284	20,284	20,284	20,284	60,851	20,284	152,127	50,709	\$ 4,926,465	\$ 1,642,155	\$ 209,380	\$ 69,793

Exhibit 25 - LSL MONITORING - MONITORING, NOTIFICATION, BURDEN, AND COST SUMMARY (cont.)

SCENARIO 2: Initial LSL Monitoring (No Study Required)

CWSS																			
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)										Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Samples	Annual Samples	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost	
≤100	710	1,704	1,704	1,704	1,704	1,704	1,704	1,704	1,704	1,704	1,704	5,112	1,704	12,780	4,260	\$ 413,868	\$ 137,956	\$ 17,590	\$ 5,863
101-500	719	4,841	4,841	4,841	4,841	4,841	4,841	4,841	4,841	4,841	14,524	4,841	36,310	12,103	\$ 1,175,847	\$ 391,949	\$ 49,975	\$ 16,658	
501-1K	185	3,564	3,564	3,564	3,564	3,564	3,564	3,564	3,564	3,564	10,693	3,564	26,733	8,911	\$ 865,705	\$ 288,568	\$ 36,793	\$ 12,264	
1K-3.3K	177	8,319	8,319	8,319	8,319	8,319	8,319	8,319	8,319	8,319	24,957	8,319	62,393	20,798	\$ 2,020,519	\$ 673,506	\$ 85,874	\$ 28,625	
3.3K-10K	99	13,807	13,807	13,807	13,807	13,807	13,807	13,807	13,807	13,807	41,422	13,807	103,554	34,518	\$ 3,353,493	\$ 1,117,831	\$ 142,527	\$ 47,509	
10K-25K	30	10,980	10,980	10,980	10,980	10,980	10,980	10,980	10,980	10,980	32,940	10,980	82,350	27,450	\$ 2,666,822	\$ 888,941	\$ 113,343	\$ 37,781	
25K-50K	12	9,094	9,094	9,094	9,094	9,094	9,094	9,094	9,094	9,094	27,283	9,094	68,208	22,736	\$ 2,208,848	\$ 736,283	\$ 93,879	\$ 31,293	
50K-75K	8	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
75K-100K	2	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	2	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	1,944	52,310	52,310	52,310	52,310	52,310	52,310	52,310	52,310	52,310	156,931	52,310	392,327	130,776	\$12,705,101	\$ 4,235,034	\$ 539,981	\$ 179,994	

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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Samples	Annual Samples	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Samples	Annual Samples	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	237	569	569	569	569	569	569	569	569	569	1,706	569	4,266	1,422	\$ 138,150	\$ 46,050	\$ 5,872	\$ 1,957
101-500	240	970	970	970	970	970	970	970	970	970	2,909	970	7,272	2,424	\$ 235,496	\$ 78,499	\$ 10,009	\$ 3,336
501-1K	61	705	705	705	705	705	705	705	705	705	2,115	705	5,289	1,763	\$ 171,269	\$ 57,090	\$ 7,279	\$ 2,426
1K-3.3K	60	1,692	1,692	1,692	1,692	1,692	1,692	1,692	1,692	1,692	5,076	1,692	12,690	4,230	\$ 410,953	\$ 136,984	\$ 17,466	\$ 5,822
3.3K-10K	34	2,845	2,845	2,845	2,845	2,845	2,845	2,845	2,845	2,845	8,535	2,845	21,338	7,113	\$ 691,023	\$ 230,341	\$ 29,369	\$ 9,790
10K-25K	10	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	6,588	2,196	16,470	5,490	\$ 533,364	\$ 177,788	\$ 22,669	\$ 7,556
25K-50K	4	1,819	1,819	1,819	1,819	1,819	1,819	1,819	1,819	1,819	5,457	1,819	13,642	4,547	\$ 441,770	\$ 147,257	\$ 18,776	\$ 6,259
50K-75K	2	1,602	1,602	1,602	1,602	1,602	1,602	1,602	1,602	1,602	4,806	1,602	12,016	4,005	\$ 389,113	\$ 129,704	\$ 16,538	\$ 5,513
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	648	12,398	12,398	12,398	12,398	12,398	12,398	12,398	12,398	12,398	37,193	12,398	92,982	30,994	\$ 3,011,139	\$ 1,003,713	\$ 127,977	\$ 42,659
CWSS (Notifications)																		
Size Category	Number of Systems	Notifications by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Notifications	Annual Notifications	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Notifications	Annual Notifications	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	237	1,308	1,308	1,308	1,308	1,308	1,308	1,308	1,308	1,308	3,925	1,308	981	327	\$ 31,775	\$ 10,592	\$ 1,932	\$ 644
101-500	240	2,230	2,230	2,230	2,230	2,230	2,230	2,230	2,230	2,230	6,690	2,230	1,673	558	\$ 54,164	\$ 18,055	\$ 3,294	\$ 1,098
501-1K	61	1,622	1,622	1,622	1,622	1,622	1,622	1,622	1,622	1,622	4,866	1,622	1,216	405	\$ 39,392	\$ 13,131	\$ 2,396	\$ 799
1K-3.3K	60	3,892	3,892	3,892	3,892	3,892	3,892	3,892	3,892	3,892	11,675	3,892	2,919	973	\$ 94,519	\$ 31,506	\$ 5,748	\$ 1,916
3.3K-10K	34	6,544	6,544	6,544	6,544	6,544	6,544	6,544	6,544	6,544	19,631	6,544	4,908	1,636	\$ 158,935	\$ 52,978	\$ 9,666	\$ 3,222
10K-25K	10	5,051	5,051	5,051	5,051	5,051	5,051	5,051	5,051	5,051	15,152	5,051	3,788	1,263	\$ 122,674	\$ 40,891	\$ 7,460	\$ 2,487
25K-50K	4	4,183	4,183	4,183	4,183	4,183	4,183	4,183	4,183	4,183	12,550	4,183	3,138	1,046	\$ 101,607	\$ 33,869	\$ 6,179	\$ 2,060
50K-75K	2	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	3,685	11,054	3,685	5,527	1,842	\$ 178,992	\$ 59,664	\$ 5,443	\$ 1,814
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	648	28,515	28,515	28,515	28,515	28,515	28,515	28,515	28,515	28,515	85,544	28,515	24,150	8,050	\$ 782,058	\$ 260,686	\$ 42,118	\$ 14,039

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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Samples	Annual Samples	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	710	1,704	1,704	1,704	1,704	1,704	1,704	1,704	1,704	1,704	5,112	1,704	12,780	4,260	\$ 413,868	\$ 137,956	\$ 17,590	\$ 5,863
101-500	719	2,905	2,905	2,905	2,905	2,905	2,905	2,905	2,905	2,905	8,714	2,905	21,786	7,262	\$ 705,508	\$ 235,169	\$ 29,985	\$ 9,995
501-1K	185	2,139	2,139	2,139	2,139	2,139	2,139	2,139	2,139	2,139	6,416	2,139	16,040	5,347	\$ 519,423	\$ 173,141	\$ 22,076	\$ 7,359
1K-3.3K	177	4,991	4,991	4,991	4,991	4,991	4,991	4,991	4,991	4,991	14,974	4,991	37,436	12,479	\$ 1,212,311	\$ 404,104	\$ 51,525	\$ 17,175
3.3K-10K	99	8,284	8,284	8,284	8,284	8,284	8,284	8,284	8,284	8,284	24,853	8,284	62,132	20,711	\$ 2,012,096	\$ 670,699	\$ 85,516	\$ 28,505
10K-25K	30	6,588	6,588	6,588	6,588	6,588	6,588	6,588	6,588	6,588	19,764	6,588	49,410	16,470	\$ 1,600,093	\$ 533,364	\$ 68,006	\$ 22,669
25K-50K	12	5,457	5,457	5,457	5,457	5,457	5,457	5,457	5,457	5,457	16,370	5,457	40,925	13,642	\$ 1,325,309	\$ 441,770	\$ 56,327	\$ 18,776
50K-75K	8	6,408	6,408	6,408	6,408	6,408	6,408	6,408	6,408	6,408	19,225	6,408	48,062	16,021	\$ 1,556,453	\$ 518,818	\$ 66,151	\$ 22,050
75K-100K	2	2,072	2,072	2,072	2,072	2,072	2,072	2,072	2,072	2,072	6,217	2,072	15,542	5,181	\$ 503,325	\$ 167,775	\$ 21,392	\$ 7,131
100K-500K	2	4,580	4,580	4,580	4,580	4,580	4,580	4,580	4,580	4,580	13,739	4,580	34,347	11,449	\$ 1,112,293	\$ 370,764	\$ 47,274	\$ 15,758
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	1,944	45,128	45,128	45,128	45,128	45,128	45,128	45,128	45,128	45,128	135,384	45,128	338,460	112,820	\$10,960,679	\$ 3,653,560	\$ 465,841	\$ 155,280

CWSS (Notifications)																		
Size Category	Number of Systems	Samples by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Notifications	Annual Notifications	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	710	3,919	3,919	3,919	3,919	3,919	3,919	3,919	3,919	3,919	11,758	3,919	2,939	980	\$ 95,190	\$ 31,730	\$ 5,789	\$ 1,930
101-500	719	6,681	6,681	6,681	6,681	6,681	6,681	6,681	6,681	6,681	20,043	6,681	5,011	1,670	\$ 162,267	\$ 54,089	\$ 9,868	\$ 3,289
501-1K	185	4,919	4,919	4,919	4,919	4,919	4,919	4,919	4,919	4,919	14,756	4,919	3,689	1,230	\$ 119,467	\$ 39,822	\$ 7,265	\$ 2,422
1K-3.3K	177	11,480	11,480	11,480	11,480	11,480	11,480	11,480	11,480	11,480	34,441	11,480	8,610	2,870	\$ 278,832	\$ 92,944	\$ 16,957	\$ 5,652
3.3K-10K	99	19,054	19,054	19,054	19,054	19,054	19,054	19,054	19,054	19,054	57,162	19,054	14,290	4,763	\$ 462,782	\$ 154,261	\$ 28,144	\$ 9,381
10K-25K	30	15,152	15,152	15,152	15,152	15,152	15,152	15,152	15,152	15,152	45,457	15,152	11,364	3,788	\$ 368,021	\$ 122,674	\$ 22,381	\$ 7,460
25K-50K	12	12,550	12,550	12,550	12,550	12,550	12,550	12,550	12,550	12,550	37,651	12,550	9,413	3,138	\$ 304,821	\$ 101,607	\$ 18,538	\$ 6,179
50K-75K	8	14,739	14,739	14,739	14,739	14,739	14,739	14,739	14,739	14,739	44,217	14,739	22,109	7,370	\$ 715,968	\$ 238,656	\$ 21,771	\$ 7,257
75K-100K	2	4,766	4,766	4,766	4,766	4,766	4,766	4,766	4,766	4,766	14,299	4,766	7,150	2,383	\$ 231,530	\$ 77,177	\$ 7,040	\$ 2,347
100K-500K	2	10,533	10,533	10,533	10,533	10,533	10,533	10,533	10,533	10,533	31,599	10,533	15,800	5,267	\$ 511,655	\$ 170,552	\$ 15,558	\$ 5,186
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	1,944	#####	#####	103,794	103,794	103,794	103,794	103,794	103,794	103,794	311,383	103,794	100,375	33,458	\$ 3,250,533	\$ 1,083,511	\$ 153,311	\$ 51,104

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 Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Samples	Annual Samples	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	947	4,546	4,546	4,546	4,546	4,546	4,546	4,546	4,546	4,546	13,637	4,546	34,092	11,364	\$ 1,104,035	\$ 368,012	\$ 46,923	\$ 15,641
101-500	959	10,332	10,332	10,332	10,332	10,332	10,332	10,332	10,332	10,332	30,995	10,332	77,487	25,829	\$ 2,509,345	\$ 836,448	\$ 106,650	\$ 35,550
501-1K	246	7,583	7,583	7,583	7,583	7,583	7,583	7,583	7,583	7,583	22,750	7,583	56,875	18,958	\$ 1,841,846	\$ 613,949	\$ 78,281	\$ 26,094
1K-3.3K	237	17,822	17,822	17,822	17,822	17,822	17,822	17,822	17,822	17,822	53,467	17,822	133,668	44,556	\$ 4,328,705	\$ 1,442,902	\$ 183,975	\$ 61,325
3.3K-10K	133	29,679	29,679	29,679	29,679	29,679	29,679	29,679	29,679	29,679	89,036	29,679	222,589	74,196	\$ 7,208,316	\$ 2,402,772	\$ 306,362	\$ 102,121
10K-25K	40	23,424	23,424	23,424	23,424	23,424	23,424	23,424	23,424	23,424	70,272	23,424	175,680	58,560	\$ 5,689,221	\$ 1,896,407	\$ 241,798	\$ 80,599
25K-50K	16	19,401	19,401	19,401	19,401	19,401	19,401	19,401	19,401	19,401	58,204	19,401	145,510	48,503	\$ 4,712,209	\$ 1,570,736	\$ 200,274	\$ 66,758
50K-75K	10	10,681	10,681	10,681	10,681	10,681	10,681	10,681	10,681	10,681	32,042	10,681	80,104	26,701	\$ 2,594,088	\$ 864,696	\$ 110,252	\$ 36,751
75K-100K	2	2,072	2,072	2,072	2,072	2,072	2,072	2,072	2,072	2,072	6,217	2,072	15,542	5,181	\$ 503,325	\$ 167,775	\$ 21,392	\$ 7,131
100K-500K	2	4,580	4,580	4,580	4,580	4,580	4,580	4,580	4,580	4,580	13,739	4,580	34,347	11,449	\$ 1,112,293	\$ 370,764	\$ 47,274	\$ 15,758
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	2,592	130,119	130,119	130,119	130,119	130,119	130,119	130,119	130,119	130,119	390,358	130,119	975,895	325,298	\$ 31,603,384	\$ 10,534,461	\$ 1,343,180	\$ 447,727
All CWSs (Notifications)																		
Size Category	Number of Systems	Notifications by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Notifications	Annual Notifications	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	947	5,227	5,227	5,227	5,227	5,227	5,227	5,227	5,227	5,227	15,682	5,227	3,921	1,307	\$ 126,964	\$ 42,321	\$ 7,721	\$ 2,574
101-500	959	8,911	8,911	8,911	8,911	8,911	8,911	8,911	8,911	8,911	26,733	8,911	6,683	2,228	\$ 216,431	\$ 72,144	\$ 13,162	\$ 4,387
501-1K	246	6,541	6,541	6,541	6,541	6,541	6,541	6,541	6,541	6,541	19,622	6,541	4,905	1,635	\$ 158,859	\$ 52,953	\$ 9,661	\$ 3,220
1K-3.3K	237	15,372	15,372	15,372	15,372	15,372	15,372	15,372	15,372	15,372	46,115	15,372	11,529	3,843	\$ 373,351	\$ 124,450	\$ 22,705	\$ 7,568
3.3K-10K	133	25,598	25,598	25,598	25,598	25,598	25,598	25,598	25,598	25,598	76,793	25,598	19,198	6,399	\$ 621,717	\$ 207,239	\$ 37,809	\$ 12,603
10K-25K	40	20,203	20,203	20,203	20,203	20,203	20,203	20,203	20,203	20,203	60,610	20,203	15,152	5,051	\$ 490,695	\$ 163,565	\$ 29,841	\$ 9,947
25K-50K	16	16,734	16,734	16,734	16,734	16,734	16,734	16,734	16,734	16,734	50,201	16,734	12,550	4,183	\$ 406,428	\$ 135,476	\$ 24,717	\$ 8,239
50K-75K	10	18,424	18,424	18,424	18,424	18,424	18,424	18,424	18,424	18,424	55,272	18,424	27,636	9,212	\$ 894,960	\$ 298,320	\$ 27,213	\$ 9,071
75K-100K	2	4,766	4,766	4,766	4,766	4,766	4,766	4,766	4,766	4,766	14,299	4,766	7,150	2,383	\$ 231,530	\$ 77,177	\$ 7,040	\$ 2,347
100K-500K	2	10,533	10,533	10,533	10,533	10,533	10,533	10,533	10,533	10,533	31,599	10,533	15,800	5,267	\$ 511,655	\$ 170,552	\$ 15,558	\$ 5,186
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	2,592	132,309	132,309	132,309	132,309	132,309	132,309	132,309	132,309	132,309	396,927	132,309	124,524	41,508	\$ 4,032,590	\$ 1,344,197	\$ 195,429	\$ 65,143
All CWSs (LSL Total)																		
Size Category	Number of Systems	Events by Year (Representing 9-Year Compliance Cycle)									Summary of Monitoring, Burden, and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Notifications	Annual Notifications	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	947	9,773	9,773	9,773	9,773	9,773	9,773	9,773	9,773	9,773	29,319	9,773	38,013	12,671	\$ 1,230,999	\$ 410,333	\$ 54,644	\$ 18,215
101-500	959	19,243	19,243	19,243	19,243	19,243	19,243	19,243	19,243	19,243	57,728	19,243	84,170	28,057	\$ 2,725,777	\$ 908,592	\$ 119,812	\$ 39,937
501-1K	246	14,124	14,124	14,124	14,124	14,124	14,124	14,124	14,124	14,124	42,372	14,124	61,781	20,594	\$ 2,000,706	\$ 666,902	\$ 87,942	\$ 29,314
1K-3.3K	237	33,194	33,194	33,194	33,194	33,194	33,194	33,194	33,194	33,194	99,583	33,194	145,197	48,399	\$ 4,702,055	\$ 1,567,352	\$ 206,680	\$ 68,893
3.3K-10K	133	55,276	55,276	55,276	55,276	55,276	55,276	55,276	55,276	55,276	165,829	55,276	241,787	80,596	\$ 7,830,033	\$ 2,610,011	\$ 344,171	\$ 114,724
10K-25K	40	43,627	43,627	43,627	43,627	43,627	43,627	43,627	43,627	43,627	130,882	43,627	190,832	63,611	\$ 6,179,916	\$ 2,059,972	\$ 271,640	\$ 90,547
25K-50K	16	36,135	36,135	36,135	36,135	36,135	36,135	36,135	36,135	36,135	108,405	36,135	158,061	52,687	\$ 5,118,637	\$ 1,706,212	\$ 224,991	\$ 74,997
50K-75K	10	29,104	29,104	29,104	29,104	29,104	29,104	29,104	29,104	29,104	87,313	29,104	107,740	35,913	\$ 3,489,048	\$ 1,163,016	\$ 137,465	\$ 45,822
75K-100K	2	6,839	6,839	6,839	6,839	6,839	6,839	6,839	6,839	6,839	20,516	6,839	22,692	7,564	\$ 734,855	\$ 244,952	\$ 28,432	\$ 9,477
100K-500K	2	15,113	15,113	15,113	15,113	15,113	15,113	15,113	15,113	15,113	45,338	15,113	50,147	16,716	\$ 1,623,948	\$ 541,316	\$ 62,832	\$ 20,944
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	2,592	262,428	262,428	262,428	262,428	262,428	262,428	262,428	262,428	262,428	787,285	262,428	1,100,419	366,806	\$ 35,635,974	\$ 11,878,658	\$ 1,538,609	\$ 512,870

Exhibit 26 - SYSTEM INVENTORY

GROUND WATER: CWSs

Size Category	Total Systems
≤100	11,651
101-500	13,737
501-1K	4,463
1K-3.3K	5,694
3.3K-10K	2,739
10K-25K	964
25K-50K	356
50K-75K	120
75K-100K	32
100K-500K	63
500K-1M	4
> 1M	3
TOTAL:	39,825

SURFACE WATER: CWSs

Size Category	Total Systems
≤100	983
101-500	2,153
501-1K	1,173
1K-3.3K	2,527
3.3K-10K	2,143
10K-25K	1,263
25K-50K	657
50K-75K	253
75K-100K	139
100K-500K	294
500K-1M	31
> 1M	18
TOTAL:	11,635

GROUND WATER: NTNCWSs

Size Category	Total Systems
≤100	8,571
101-500	6,467
501-1K	1,659
1K-3.3K	764
3.3K-10K	103
10K-25K	8
25K-50K	4
50K-75K	0
75K-100K	0
100K-500K	0
500K-1M	0
> 1M	0
TOTAL:	17,576

SURFACE WATER: NTNCWSs

Size Category	Total Systems
≤100	257
101-500	264
501-1K	86
1K-3.3K	75
3.3K-10K	29
10K-25K	4
25K-50K	2
50K-75K	1
75K-100K	0
100K-500K	1
500K-1M	0
> 1M	0
TOTAL:	719

GROUND WATER: ALL SYSTEMS

Size Category	Total Systems
≤100	20,222
101-500	20,204
501-1K	6,122
1K-3.3K	6,458
3.3K-10K	2,842
10K-25K	972
25K-50K	360
50K-75K	120
75K-100K	32
100K-500K	63
500K-1M	4
> 1M	3
TOTAL:	57,401

SURFACE WATER: ALL SYSTEMS

Size Category	Total Systems
≤100	1,240
101-500	2,417
501-1K	1,259
1K-3.3K	2,602
3.3K-10K	2,172
10K-25K	1,267
25K-50K	659
50K-75K	254
75K-100K	139
100K-500K	295
500K-1M	31
> 1M	18
TOTAL:	12,354

Source: SDWIS/FED Data from October 2010

Exhibit 27 - Labor Rates

State Labor Rate \$43.79

Exhibit 27 - System Labor Rates	
≤100	\$32.38
101-500	\$32.38
501-1K	\$32.38
1K-3.3K	\$32.38
3.3K-10K	\$32.38
10K-25K	\$32.38
25K-50K	\$32.38
50K-75K	\$32.38
75K-100K	\$32.38
100K-500K	\$32.38
500K-1M	\$32.38
> 1M	\$32.38

Postage (First Class) \$0.44
 Paper + Envelope (O&M) \$ 0.05
 Inflation Factor 1.31

PWS Labor Rate

Base (Hourly) \$20.24
 Load Factor 1.6
 Inflation Factor 1.00
 Total \$32.38

Employment and Wage
 2010\$ Estimates, United States, BLS
 SOC Code 51-8031, "Local
 Government - Water and Liquid

1 ECI New
 1 ECI Base

State Labor Rate

Base (Hourly) \$27.37
 Load Factor 1.6
 Inflation Factor 1.00
 Total \$43.79

Employment and Wage
 2010\$ Estimates, United States, BLS
 SOC Code 19-2041, "State
 Government - Environmental

1 ECI New
 1 ECI Base

\$0.03 for envelope, and \$0.01 for paper, inflated to \$2010.
 218.056 CPI All Urban Consumers (CPI-U): U.S. City
 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 & under	12,634	769,210	61	459,225	36
101 to 500	15,890	4,026,677	253	1,607,589	101
501 to 1,000	5,636	4,160,281	738	1,626,467	289
1,001 to 3,300	8,221	15,702,700	1,910	5,798,783	705
3,301 to 10,000	4,882	28,454,618	5,828	10,211,575	2,092
10,001 to 25,000	2,227	35,390,963	15,892	12,225,948	5,490
25,001 to 50,000	1,013	35,448,335	34,993	11,516,107	11,368
50,001 to 75,000	373	22,456,689	60,206	7,469,819	20,026
75,001 to 100,000	171	14,835,562	86,758	4,429,579	25,904
100,001 to 500,000	357	67,567,627	189,265	20,436,337	57,245
500,001 to 1 Million	35	24,610,600	703,160	7,447,456	212,784
Over 1 Million	21	44,201,204	2,104,819	10,293,795	490,181
Total	51,460	297,624,466	5,784	93,522,680	1,817
Size Category	Nontransient Noncommunity Water Systems (NTNCWSs)				
	Number of Systems	Pop.	Average Pop./Sys.	Service Connections	Average Scon./Sys.
100 & under	8,828	493,450	56	34,604	4
101 to 500	6,731	1,689,940	251	53,970	8
501 to 1,000	1,745	1,259,054	722	21,645	12
1,001 to 3,300	839	1,421,374	1,694	31,104	37
3,301 to 10,000	132	697,203	5,282	17,415	132
10,001 to 25,000	12	151,899	12,658	288	24
25,001 to 50,000	6	223,893	37,316	344	57
50,001 to 75,000	1	71,963	71,963	184	184
75,001 to 100,000	0	0	0	0	N/A
100,001 to 500,000	1	203,000	203,000	2,181	2,181
500,001 to 1 Million	0	0	N/A	0	N/A
Over 1 Million	0	0	N/A	0	N/A
Total	18,295	6,211,776	340	161,735	9

Source: SDWIS/FED Data from October 2010

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	Subset 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	D	E	F	G	H	I
CWSs:									
≤100	12,634	100%	12,634	299	6,106	30,532	1,527	\$49,437.68	\$15,032.65
101-500	15,890	100%	15,890	357	7,680	38,401	1,920	\$62,178.63	\$18,906.82
501-1K	5,636	100%	5,636	102	2,724	13,620	681	\$22,054.04	\$6,706.03
1K-3.3K	8,221	100%	8,221	143	3,973	19,867	993	\$32,169.32	\$9,781.81
3.3K-10K	4,882	100%	4,882	112	2,360	11,798	1,311	\$42,452.43	\$5,808.88
10K-25K	2,227	100%	2,227	47	1,076	5,382	598	\$19,365.33	\$2,649.81
25K-50K	1,013	100%	1,013	24	490	2,448	272	\$8,808.75	\$1,205.32
50K-75K	373	100%	373	17	180	901	100	\$3,243.50	\$443.82
75K-100K	171	100%	171	4	83	413	46	\$1,486.97	\$203.47
100K-500K	357	100%	357	11	173	863	96	\$3,104.37	\$424.78
500K-1M	35	100%	35	3	17	85	9	\$304.35	\$41.64
> 1M	21	100%	21	1	10	51	6	\$182.61	\$24.99
NTNCWSs:									
≤100	8,828	100%	8,828	406	4,267	-	4,267	\$138,178.21	\$0.00
101-500	6,731	100%	6,731	356	3,253	-	3,253	\$105,355.41	\$0.00
501-1K	1,745	100%	1,745	89	843	-	843	\$27,313.21	\$0.00
1K-3.3K	839	100%	839	42	406	-	406	\$13,132.25	\$0.00
3.3K-10K	132	100%	132	9	64	-	64	\$2,066.10	\$0.00
10K-25K	12	100%	12	0	6	-	6	\$187.83	\$0.00
25K-50K	6	100%	6	0	3	-	3	\$93.91	\$0.00
50K-75K	1	100%	1	0	0	-	0	\$15.65	\$0.00
75K-100K	0	100%	0	0	0	-	0	\$0.00	\$0.00
100K-500K	1	100%	1	0	0	-	0	\$0.00	\$0.00
500K-1M	0	100%	0	0	0	-	0	\$0.00	\$0.00
> 1M	0	100%	0	0	0	-	0	\$0.00	\$0.00
Total	69,754	100%	69,755	2,022	33,715		16,401	\$531,130.54	\$61,230.01

Notes:

[A] Number of CWS and NTNCWS systems per SDWIS/FED Data 2010.

[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.

[C] The number of systems affected by Reg. Change III.E equals the total number of CWS and NTNCWS systems (see [A]) multiplied by the percentage of systems that currently do not notify their customers (see [B]). For example, 89% of 12,634 CWSs serving ≤100 people do not notify customers; therefore, these 11,244 systems are affected by Reg. Change III.E.

[D] The number of systems affected by regulatory change III.C is based on the number of systems exceeding the lead action level as reported in SDWIS Fed 2010.

[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).

[H] For CWSs, the annual system O&M cost equals \$0.49 per sample letter (\$0.44 postage, \$0.05 for paper 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]	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*\$0.44)	Total Mailing Cost (D*L)	Total Material and Mailing Costs per System (J+L)	Total 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 Labor Cost (O*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	12,634	770,674	299	61	94	5	99	\$ 0.60	\$ 60	\$ 17,798	\$ 22	\$ 6,526	\$ 81	\$ 24,324	15	6	2,243	897	3,140	10.5	\$ 32.38	\$ 101,670
101-500	15,890	4,020,170	357	253	391	5	396	\$ 0.60	\$ 237	\$ 84,766	\$ 87	\$ 31,081	\$ 325	\$ 115,847	15	6	2,678	1,071	3,749	10.5	\$ 32.38	\$ 121,391
501-1K	5,636	4,159,368	102	738	1,140	5	1,145	\$ 0.60	\$ 687	\$ 70,060	\$ 252	\$ 25,689	\$ 939	\$ 95,748	25	10	1,275	510	1,785	17.5	\$ 32.38	\$ 57,805
1,001-3.3K	8,221	15,702,110	143	1,910	2,950	5	2,955	\$ 0.60	\$ 1,773	\$ 253,522	\$ 650	\$ 92,958	\$ 2,423	\$ 346,481	25	10	1,788	715	2,503	17.5	\$ 32.38	\$ 81,041
3,301-10K	4,882	28,452,296	112	5,828	9,001	14	9,015	\$ 0.60	\$ 5,409	\$ 605,793	\$ 1,983	\$ 222,124	\$ 7,392	\$ 827,917	144	54	8,064	3,024	11,088	99.0	\$ 32.38	\$ 359,081
10,001-25K	2,227	35,391,484	47	15,892	24,544	53	24,597	\$ 0.60	\$ 14,758	\$ 693,625	\$ 5,411	\$ 254,329	\$ 20,169	\$ 947,954	183	93	4,297	2,182	6,479	137.9	\$ 32.38	\$ 209,828
25,001-50K	1,013	35,447,909	24	34,993	54,043	76	54,119	\$ 0.60	\$ 32,472	\$ 779,317	\$ 11,906	\$ 285,750	\$ 44,378	\$ 1,065,067	257	167	3,079	1,999	5,079	211.6	\$ 32.38	\$ 164,465
50,001-75K	373	22,456,838	17	60,206	92,982	175	93,157	\$ 0.60	\$ 55,894	\$ 950,204	\$ 20,495	\$ 348,408	\$ 76,389	\$ 1,298,612	354	264	3,009	2,244	5,252	309.0	\$ 32.38	\$ 170,089
75,001-100K	171	14,835,618	4	86,758	133,989	207	134,196	\$ 0.60	\$ 80,518	\$ 322,071	\$ 29,523	\$ 118,093	\$ 110,041	\$ 440,164	456	366	913	733	1,646	411.5	\$ 32.38	\$ 53,301
100,001-500K	357	67,567,605	11	189,265	292,301	519	292,820	\$ 0.60	\$ 175,692	\$ 1,932,613	\$ 64,420	\$ 708,625	\$ 240,113	\$ 2,641,238	852	762	4,687	4,192	8,880	807.3	\$ 32.38	\$ 287,563
500,001-1M	35	24,610,600	3	703,160	1,085,961	1,931	1,087,892	\$ 0.60	\$ 652,735	\$ 1,958,206	\$ 239,336	\$ 718,009	\$ 892,072	\$ 2,676,215	2,836	2,746	4,255	4,120	8,374	2,791.4	\$ 32.38	\$ 271,190
Over 1M	21	44,201,199	1	2,104,819	3,250,686	5,465	3,256,151	\$ 0.60	\$ 1,953,690	\$ 1,953,690	\$ 716,353	\$ 716,353	\$ 2,670,044	\$ 2,670,044	8,248	8,158	4,124	4,079	8,203	8,203.2	\$ 32.38	\$ 265,653
Total	51,460	297,615,871	1,120						\$ 2,973,925	\$ 9,621,666	\$ 1,090,439	\$ 3,527,944	\$ 4,064,364	\$ 13,149,614			40,411	25,766	66,177			\$ 2,143,077

Notes: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.
 Assumptions: [1] Based on actual exceedances from SDWIS 2010.
 [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 2.59 (2000 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 most recent AWWA bookstore catalog and assumes an AWWA member rate.
 [5] The cost to mail public education materials is 44 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 addition, 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	Total Annual PSA Burden	PSA Material Cost per Piece [4]	PSA Material Cost per System	Mailing Cost per System	Material and Mailing Costs per System	Material and Mailing (O&M) Costs	Labor Rate	Total Annual Labor Cost
							(F*G)	(D*H)		(E*F*J)	(E*F*\$0.44)	(K+L)	(D*M)		(I*O)
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
≤100	12,634	770,674	185	-	2	-	-	-	\$ 0.60	\$ -	\$ -	\$ -	\$ -	\$ 32.38	\$ -
101-500	15,890	4,020,170	155	-	2	-	-	-	\$ 0.60	\$ -	\$ -	\$ -	\$ -	\$ 32.38	\$ -
501-1K	5,636	4,159,368	55	-	2	-	-	-	\$ 0.60	\$ -	\$ -	\$ -	\$ -	\$ 32.38	\$ -
1,001-3.3K	8,221	15,702,110	78	-	2	-	-	-	\$ 0.60	\$ -	\$ -	\$ -	\$ -	\$ 32.38	\$ -
3,301-10K	4,882	28,452,296	54	8	2	5.0	10	540	\$ 0.60	\$ 9.60	\$ 7.04	\$ 16.64	\$ 899	\$ 32.38	\$ 17,487
10,001-25K	2,227	35,391,484	28	8	2	5.0	10	280	\$ 0.60	\$ 9.60	\$ 7.04	\$ 16.64	\$ 466	\$ 32.38	\$ 9,068
25,001-50K	1,013	35,447,909	12	8	2	5.0	10	120	\$ 0.60	\$ 9.60	\$ 7.04	\$ 16.64	\$ 200	\$ 32.38	\$ 3,886
50,001-75K	373	22,456,838	5	8	2	5.0	10	50	\$ 0.60	\$ 9.60	\$ 7.04	\$ 16.64	\$ 83	\$ 32.38	\$ 1,619
75,001-100K	171	14,835,618	2	8	2	5.0	10	20	\$ 0.60	\$ 9.60	\$ 7.04	\$ 16.64	\$ 33	\$ 32.38	\$ 648
100,001-500K	357	67,567,605	5	8	2	5.0	10	50	\$ 0.60	\$ 9.60	\$ 7.04	\$ 16.64	\$ 83	\$ 32.38	\$ 1,619
500,001-1M	35	24,610,600	1	8	2	5.0	10	10	\$ 0.60	\$ 9.60	\$ 7.04	\$ 16.64	\$ 17	\$ 32.38	\$ 324
Over 1M	21	44,201,199	1	8	2	5.0	10	10	\$ 0.60	\$ 9.60	\$ 7.04	\$ 16.64	\$ 17	\$ 32.38	\$ 324
Total	51,460	297,615,871	581					1,080					\$ 1,797		\$ 34,975

Notes: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

- Assumptions:
- [1] Based on actual exceedances between 2003 and 2007 from LCR Short Term Revisions Economic Analysis, Exhibit H.2.
 - [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 announcement, free of charge.
 - [4] CWSs will buy material already printed (1991 RIA assumption). The cost per piece is taken from the AWWA 2011 bookstore catalog.

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	Labor Rate	Total Annual Labor Cost
				(C*D)		(E*F)
A	B	C	D	E	F	G
≤100	8,828	217	0.5	108.5	\$ 32.38	\$ 3,514
101-500	6,731	143	0.5	71.5	\$ 32.38	\$ 2,315
501-1K	1,745	35	0.5	17.5	\$ 32.38	\$ 567
1,001-3.3K	839	16	0.5	8.0	\$ 32.38	\$ 259
3,301-10K	132	1	0.5	0.5	\$ 32.38	\$ 16
10,001-25K	12	1	0.5	0.5	\$ 32.38	\$ 16
25,001-50K	6	-	0.5	-	\$ 32.38	\$ -
50,001-75K	1	-	0.5	-	\$ 32.38	\$ -
75,001-100K	-	-	0.5	-	\$ 32.38	\$ -
100,001-500K	1	-	0.5	-	\$ 32.38	\$ -
500,001-1M	-	-	0.5	-	\$ 32.38	\$ -
Over 1M	-	-	0.5	-	\$ 32.38	\$ -
Total	18,295	413		206.5		\$ 6,687

Notes: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

Assumptions: [1] Based on actual exceedances between 2003 and 2007 from LCR Short Term Revisions Economic Analysis, Exhibit H.2.

Exhibit 33a - CWS Public Education Requirements from the LCR Short Term Revisions

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	12,634	769,210	185	61	3.5	0.12	2	\$ 0.49	\$ 42	1	0.85	0.0	1,196	\$ 38,742	\$ 7,832.24
101-500	15,890	4,026,677	155	253	3.5	0.12	2	\$ 0.49	\$ 48	1	0.86	0.0	1,004	\$ 32,504	\$ 7,517.42
501-1K	5,636	4,160,281	55	738	3.5	0.12	2	\$ 0.49	\$ 80	1	1.25	0.0	378	\$ 12,242	\$ 4,425.92
1,001-3.3K	8,221	15,702,700	78	1,910	3.5	0.12	2	\$ 0.49	\$ 118	1	1.31	0.0	540	\$ 17,500	\$ 9,211.14
3,301-10K	4,882	28,454,618	54	5,828	3.5	0.12	2	\$ 0.49	\$ 202	3	4.99	0.0	1,112	\$ 36,011	\$ 32,792.35
10,001-25K	2,227	35,390,963	28	15,892	3.5	0.12	2	\$ 0.49	\$ 674	3	13.24	0.0	1,269	\$ 41,101	\$ 56,596.03
25,001-50K	1,013	35,448,335	12	34,993	3.5	0.12	2	\$ 0.49	\$ 915	3	14.13	0.0	576	\$ 18,655	\$ 32,940.01
50,001-75K	373	22,456,689	5	60,206	3.5	0.12	2	\$ 0.49	\$ 1,792	3	20.79	0.0	340	\$ 11,009	\$ 26,884.79
75,001-100K	171	14,835,562	2	86,758	3.5	0.12	2	\$ 0.49	\$ 2,032	3	22.03	0.0	143	\$ 4,644	\$ 12,190.90
100,001-500K	357	67,567,627	5	189,265	3.5	0.12	2	\$ 0.49	\$ 1,451	3	43.29	3.5	695	\$ 22,505	\$ 21,770.26
500,001-1M	35	24,610,600	1	703,160	3.5	0.12	2	\$ 0.49	\$ 1,998	3	67.29	3.5	211	\$ 6,833	\$ 5,994.20
Over 1M	21	44,201,204	1	2,104,819	3.5	0.12	2	\$ 0.49	\$ 3,489	3	132.75	3.5	407	\$ 13,192	\$ 10,467.72
Total	51,460	297,624,466	581										7,872	\$ 254,937	\$ 228,623

Notes: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.
 Assumptions: [1] Based on actual exceedances between 2003 and 2007 from LCR STR, Exhibit H.2.
 [2] Based on \$0.44 for stamp, \$0.03 for envelope, and \$0.01 for paper, updated to \$2010.
 [3] Derived from STR updated to \$2010.
 [4] From Exhibit H.6 of the STR EA.

Exhibit 33b - NTNCWS Public Education Requirements from the 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
					[2]	[3]		
A	B	C	D	E	F	G	H	I
≤100	8,828	493,450	185	56	3.5	2	1,018	\$ 32,951
101-500	6,731	1,689,940	155	251	3.5	2	853	\$ 27,607
501-1K	1,745	1,259,054	55	722	3.5	2	303	\$ 9,796
1,001-3.3K	839	1,421,374	78	1,694	3.5	2	429	\$ 13,893
3,301-10K	132	697,203	54	5,282	3.5	2	297	\$ 9,618
10,001-25K	12	151,899	28	12,658	3.5	2	154	\$ 4,987
25,001-50K	6	223,893	12	37,316	3.5	2	66	\$ 2,137
50,001-75K	1	71,963	5	71,963	3.5	2	28	\$ 891
75,001-100K	-	-	-	-	3.5	2	-	\$ -
100,001-500K	1	203,000	5	203,000	3.5	2	28	\$ 891
500,001-1M	-	-	-	N/A	3.5	2	-	\$ -
Over 1M	-	-	-	N/A	3.5	2	-	\$ -
Total	18,295	6,211,776	577				3,174	\$ 102,771

Notes: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.
 Assumptions: [1] Based on actual exceedances between 2003 and 2007 from LCR STR, Exhibit H.2.
 [2] Carried forward from STR.
 [3] From Exhibit H.6 of the STR EA

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	21,978	\$ 47,189	11,255	\$ 364,491
101-500	23,121	\$ 142,271	10,850	\$ 351,353
501-1K	7,518	\$ 106,880	4,007	\$ 129,778
1,001-3.3K	9,219	\$ 365,474	4,879	\$ 157,994
3,301-10K	5,127	\$ 867,416	14,412	\$ 466,732
10,001-25K	2,287	\$ 1,007,666	8,787	\$ 284,553
25,001-50K	1,043	\$ 1,099,412	6,116	\$ 198,046
50,001-75K	391	\$ 1,326,024	5,770	\$ 186,866
75,001-100K	175	\$ 452,591	1,855	\$ 60,080
100,001-500K	369	\$ 2,663,516	9,748	\$ 315,682
500,001-1M	38	\$ 2,682,268	8,605	\$ 278,651
Over 1M	22	\$ 2,680,553	8,626	\$ 279,351
Total	71,288	\$ 13,441,260	94,910	\$ 3,073,577

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	\$ 32.38	\$ 0.49	0.12
101-500	1.5	1.0	3.0	8.0	1.0	5.0	0.5	1.0	0.5	0.5	\$ 32.38	\$ 0.49	0.12
501-1K	1.5	1.0	3.0	8.0	1.0	5.0	0.5	1.0	0.5	0.5	\$ 32.38	\$ 0.49	0.12
1K-3.3K	1.5	1.0	3.0	8.0	1.0	5.0	0.5	1.0	0.5	0.5	\$ 32.38	\$ 0.49	0.12
3.3K-10K	1.5	1.0	3.0	8.0	N/A	5.0	0.5	1.0	0.5	0.5	\$ 32.38	\$ 0.49	0.12
10K-25K	1.5	1.25	3.0	8.0	N/A	5.0	0.5	1.0	0.5	0.5	\$ 32.38	\$ 0.49	0.12
25K-50K	1.5	1.25	3.0	8.0	N/A	5.0	0.5	1.0	0.5	0.5	\$ 32.38	\$ 0.49	0.12
50K-75K	1.5	1.25	3.0	8.0	N/A	5.0	0.5	1.0	0.5	0.5	\$ 32.38	\$ 0.49	0.12
75K-100K	1.5	1.25	3.0	8.0	N/A	5.0	0.5	1.0	0.5	0.5	\$ 32.38	\$ 0.49	0.12
100K-500K	1.5	1.5	3.0	8.0	N/A	5.0	0.5	1.0	0.5	0.5	\$ 32.38	\$ 0.49	0.12
500K-1M	1.5	1.5	3.0	8.0	N/A	5.0	0.5	1.0	0.5	0.5	\$ 32.38	\$ 0.49	0.12
> 1M	1.5	1.5	3.0	8.0	N/A	5.0	0.5	1.0	0.5	0.5	\$ 32.38	\$ 0.49	0.12

Note: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

Exhibit 36 - LABOR RATES

State Labor Rate \$43.79

System Labor Rates	
≤100	\$32.38
101-500	\$32.38
501-1K	\$32.38
1K-3.3K	\$32.38
3.3K-10K	\$32.38
10K-25K	\$32.38
25K-50K	\$32.38
50K-75K	\$32.38
75K-100K	\$32.38
100K-500K	\$32.38
500K-1M	\$32.38
> 1M	\$32.38

PWS Labor Rate

Base (Hourly) \$20.24
 Load Factor 1.6
 Inflation Factor 1.00
 Total \$32.38

2010\$ 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 2010 data (published in May 2011). <http://stats.bls.gov/oes/current/oes518031.htm>

1 ECI New
 1 ECI Base

State Labor Rate

Base (Hourly) \$27.37
 Load Factor 1.6
 Inflation Factor 1.00
 Total \$43.79

2010\$ National Occupational Employment and Wage Estimates, United States, BLS SOC Code 19-2041, "State Government - Environmental Scientists and Specialists, Including Health". May 2010 data (published in May 2011). <http://stats.bls.gov/oes/current/oes192041.htm>

1 ECI New
 1 ECI Base

CPI All Urban Consumers (CPI-U): U.S. City Average, by Expenditure Category and Commodity and Service
 218.056 Group. All urban consumers, All items, Not seasonally adjusted. 2010 Annual Average.
 166.6 CPI-U Base Year
 1.31 Inflation factor

Postage \$ 0.44
 Paper and Envelope (O&M) \$ 0.05

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 Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	10,731	7,288	2,426	1,710	7,288	2,426	1,710	8,361	2,426	1,710	12,497	4,166	31,241	10,414	\$ 1,011,717	\$ 337,239	\$ 6,153	\$ 2,051
101-500	11,311	8,362	3,246	2,488	8,362	3,246	2,488	9,493	3,246	2,488	15,227	5,076	38,066	12,689	\$ 1,232,737	\$ 410,912	\$ 7,497	\$ 2,499
501-1K	3,691	2,646	987	735	2,646	987	735	3,015	987	735	4,736	1,579	11,840	3,947	\$ 383,427	\$ 127,809	\$ 2,332	\$ 777
1K-3.3K	4,530	3,153	1,132	816	3,153	1,132	816	3,606	1,132	816	5,554	1,851	13,884	4,628	\$ 449,611	\$ 149,870	\$ 2,734	\$ 911
3.3K-10K	2,507	580	353	2,234	580	353	2,234	580	353	2,234	3,166	1,055	7,915	2,638	\$ 256,319	\$ 85,440	\$ 1,559	\$ 520
10K-25K	1,120	248	145	984	248	145	984	248	145	984	1,377	459	3,785	1,262	\$ 122,586	\$ 40,862	\$ 678	\$ 226
25K-50K	510	117	71	453	117	71	453	117	71	453	641	214	1,763	588	\$ 57,085	\$ 19,028	\$ 316	\$ 105
50K-75K	187	34	219	34	34	219	34	34	219	34	287	96	789	263	\$ 25,559	\$ 8,520	\$ 141	\$ 47
75K-100K	86	8	93	8	8	93	8	8	93	8	109	36	300	100	\$ 9,707	\$ 3,236	\$ 54	\$ 18
100K-500K	179	20	198	20	20	198	20	20	198	20	238	79	714	238	\$ 23,122	\$ 7,707	\$ 117	\$ 39
500K-1M	18	6	23	6	6	23	6	6	23	6	35	12	105	35	\$ 3,400	\$ 1,133	\$ 17	\$ 6
> 1M	11	2	13	2	2	13	2	2	13	2	17	6	50	17	\$ 1,603	\$ 534	\$ 8	\$ 3
Total	34,878	22,463	8,906	9,488	22,463	8,906	9,488	25,489	8,906	9,488	43,882	14,627	110,452	36,817	\$ 3,576,874	\$ 1,192,291	\$ 21,605	\$ 7,202

Reduced Monitoring - State Performing Calculations																		
Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	10,731	7,288	2,426	1,710	7,288	2,426	1,710	8,361	2,426	1,710	12,497	4,166	18,745	6,248	\$ 607,030	\$ 202,343	\$ 6,153	\$ 2,051
101-500	11,311	8,362	3,246	2,488	8,362	3,246	2,488	9,493	3,246	2,488	15,227	5,076	22,840	7,613	\$ 739,642	\$ 246,547	\$ 7,497	\$ 2,499
501-1K	3,691	2,646	987	735	2,646	987	735	3,015	987	735	4,736	1,579	7,104	2,368	\$ 230,056	\$ 76,685	\$ 2,332	\$ 777
1K-3.3K	4,530	3,153	1,132	816	3,153	1,132	816	3,606	1,132	816	5,554	1,851	8,330	2,777	\$ 269,767	\$ 89,922	\$ 2,734	\$ 911
3.3K-10K	2,507	580	353	2,234	580	353	2,234	580	353	2,234	3,166	1,055	4,749	1,583	\$ 153,792	\$ 51,264	\$ 1,559	\$ 520
10K-25K	1,120	248	145	984	248	145	984	248	145	984	1,377	459	2,065	688	\$ 66,865	\$ 22,288	\$ 678	\$ 226
25K-50K	510	117	71	453	117	71	453	117	71	453	641	214	962	321	\$ 31,137	\$ 10,379	\$ 316	\$ 105
50K-75K	187	34	219	34	34	219	34	34	219	34	287	96	431	144	\$ 13,941	\$ 4,647	\$ 141	\$ 47
75K-100K	86	8	93	8	8	93	8	8	93	8	109	36	164	55	\$ 5,295	\$ 1,765	\$ 54	\$ 18
100K-500K	179	20	198	20	20	198	20	20	198	20	238	79	357	119	\$ 11,561	\$ 3,854	\$ 117	\$ 39
500K-1M	18	6	23	6	6	23	6	6	23	6	35	12	53	18	\$ 1,700	\$ 567	\$ 17	\$ 6
> 1M	11	2	13	2	2	13	2	2	13	2	17	6	25	8	\$ 802	\$ 267	\$ 8	\$ 3
Total	34,878	22,463	8,906	9,488	22,463	8,906	9,488	25,489	8,906	9,488	43,882	14,627	65,822	21,941	\$ 2,131,588	\$ 710,529	\$ 21,605	\$ 7,202

Totals

Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Monitoring Events	Annual Monitoring Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	21,462	14,576	4,852	3,419	14,576	4,852	3,419	16,722	4,852	3,419	24,993	8,331	49,986	16,662	\$ 1,618,747	\$ 539,582	\$ 12,305	\$ 4,102
101-500	22,621	16,724	6,492	4,975	16,724	6,492	4,975	18,986	6,492	4,975	30,453	10,151	60,906	20,302	\$ 1,972,380	\$ 657,460	\$ 14,994	\$ 4,998
501-1K	7,381	5,291	1,974	1,469	5,291	1,974	1,469	6,029	1,974	1,469	9,472	3,157	18,944	6,315	\$ 613,482	\$ 204,494	\$ 4,664	\$ 1,555
1K-3.3K	9,060	6,306	2,264	1,631	6,306	2,264	1,631	7,212	2,264	1,631	11,107	3,702	22,214	7,405	\$ 719,378	\$ 239,793	\$ 5,469	\$ 1,823
3.3K-10K	5,014	1,159	706	4,467	1,159	706	4,467	1,159	706	4,467	6,332	2,111	12,664	4,221	\$ 410,111	\$ 136,704	\$ 3,118	\$ 1,039
10K-25K	2,239	495	290	1,968	495	290	1,968	495	290	1,968	2,753	918	5,850	1,950	\$ 189,450	\$ 63,150	\$ 1,355	\$ 452
25K-50K	1,019	234	142	906	234	142	906	234	142	906	1,282	427	2,724	908	\$ 88,222	\$ 29,407	\$ 631	\$ 210
50K-75K	374	68	438	68	68	438	68	68	438	68	574	191	1,220	407	\$ 39,500	\$ 13,167	\$ 283	\$ 94
75K-100K	171	16	186	16	16	186	16	16	186	16	218	73	463	154	\$ 15,002	\$ 5,001	\$ 107	\$ 36
100K-500K	358	40	396	40	40	396	40	40	396	40	476	159	1,071	357	\$ 34,683	\$ 11,561	\$ 234	\$ 78
500K-1M	35	12	46	12	12	46	12	12	46	12	70	23	158	53	\$ 5,100	\$ 1,700	\$ 34	\$ 11
> 1M	21	4	25	4	4	25	4	4	25	4	33	11	74	25	\$ 2,405	\$ 802	\$ 16	\$ 5
Total	69,755	44,925	17,811	18,975	44,925	17,811	18,975	50,977	17,811	18,975	87,763	29,254	176,274	58,758	\$ 5,708,461	\$ 1,902,820	\$ 43,210	\$ 14,403

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																		
Size Category	Number of Systems	Reporting Events by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Reporting Events	Annual Reporting Events	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Reporting Events	Reporting Events	Burden	Burden	Labor Cost	Labor Cost	O&M Cost	O&M Cost
≤100	12,634	6,106	6,106	6,106	6,106	6,106	6,106	6,106	6,106	6,106	18,319	6,106	2,198	733	\$ 71,190	\$ 23,730	\$ 9,020	\$ 3,007
101-500	15,890	7,680	7,680	7,680	7,680	7,680	7,680	7,680	7,680	7,680	23,041	7,680	2,765	922	\$ 89,537	\$ 29,846	\$ 11,344	\$ 3,781
501-1K	5,636	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	8,172	2,724	981	327	\$ 31,758	\$ 10,586	\$ 4,024	\$ 1,341
1K-3.3K	8,221	3,973	3,973	3,973	3,973	3,973	3,973	3,973	3,973	3,973	11,920	3,973	1,430	477	\$ 46,324	\$ 15,441	\$ 5,869	\$ 1,956
3.3K-10K	4,882	2,360	2,360	2,360	2,360	2,360	2,360	2,360	2,360	2,360	7,079	2,360	849	283	\$ 27,509	\$ 9,170	\$ 3,485	\$ 1,162
10K-25K	2,227	1,076	1,076	1,076	1,076	1,076	1,076	1,076	1,076	1,076	3,229	1,076	387	129	\$ 12,549	\$ 4,183	\$ 1,590	\$ 530
25K-50K	1,013	490	490	490	490	490	490	490	490	490	1,469	490	176	59	\$ 5,708	\$ 1,903	\$ 723	\$ 241
50K-75K	373	180	180	180	180	180	180	180	180	180	541	180	65	22	\$ 2,102	\$ 701	\$ 266	\$ 89
75K-100K	171	83	83	83	83	83	83	83	83	83	248	83	30	10	\$ 964	\$ 321	\$ 122	\$ 41
100K-500K	357	173	173	173	173	173	173	173	173	173	518	173	62	21	\$ 2,012	\$ 671	\$ 255	\$ 85
500K-1M	35	17	17	17	17	17	17	17	17	17	51	17	6	2	\$ 197	\$ 66	\$ 25	\$ 8
> 1M	21	10	10	10	10	10	10	10	10	10	30	10	4	1	\$ 118	\$ 39	\$ 15	\$ 5
Total	51,460	24,872	24,872	24,872	24,872	24,872	24,872	24,872	24,872	24,872	74,617	24,872	8,954	2,985	\$ 289,968	\$ 96,656	\$ 36,738	\$ 12,246

CERTIFYING CUSTOMER NOTIFICATION OF SAMPLING - REPORTING BURDEN AND COST - NTNCWSs

Totals																		
Size Category	Number of Systems	Reporting Events by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Reporting	Annual Reporting	Total Burden	Annual Burden	Total Labor Cost	Annual Labor	Total O&M Cost	Annual O&M Cost
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Reporting	Reporting	Burden	Burden	Labor Cost	Labor	O&M Cost	O&M Cost
≤100	8,828	4,267	4,267	4,267	4,267	4,267	4,267	4,267	4,267	4,267	12,801	4,267	1,536	512	\$ 49,744	\$ 16,581	\$ 6,302	\$ 2,101
101-500	6,731	3,253	3,253	3,253	3,253	3,253	3,253	3,253	3,253	3,253	9,760	3,253	1,171	390	\$ 37,928	\$ 12,643	\$ 4,805	\$ 1,602
501-1K	1,745	843	843	843	843	843	843	843	843	843	2,530	843	304	101	\$ 9,833	\$ 3,278	\$ 1,246	\$ 415
1K-3.3K	839	406	406	406	406	406	406	406	406	406	1,217	406	146	49	\$ 4,728	\$ 1,576	\$ 599	\$ 200
3.3K-10K	132	64	64	64	64	64	64	64	64	64	191	64	23	8	\$ 744	\$ 248	\$ 94	\$ 31
10K-25K	12	6	6	6	6	6	6	6	6	6	17	6	2	1	\$ 68	\$ 23	\$ 9	\$ 3
25K-50K	6	3	3	3	3	3	3	3	3	3	9	3	1	0	\$ 34	\$ 11	\$ 4	\$ 1
50K-75K	1	0	0	0	0	0	0	0	0	0	1	0	0	0	\$ 6	\$ 2	\$ 1	\$ 0
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	1	0	0	0	0	0	0	0	0	0	1	0	0	0	\$ 6	\$ 2	\$ 1	\$ 0
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	18,295	8,843	8,843	8,843	8,843	8,843	8,843	8,843	8,843	8,843	26,528	8,843	3,183	1,061	\$ 103,089	\$ 34,363	\$ 13,061	\$ 4,354

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																		
Size Category	Number of Systems	Reporting Events by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	12,634	4,177	1,347	910	4,177	1,347	910	4,809	1,347	910	7,065	2,355	21,195	7,065	\$ 686,379	\$ 228,793
101-500	15,890	5,590	2,035	1,484	5,590	2,035	1,484	6,384	2,035	1,484	9,903	3,301	29,709	9,903	\$ 962,096	\$ 320,699	\$ -	\$ -
501-1K	5,636	1,935	681	483	1,935	681	483	2,217	681	483	3,380	1,127	10,139	3,380	\$ 328,325	\$ 109,442	\$ -	\$ -
1K-3.3K	8,221	2,810	983	693	2,810	983	693	3,221	983	693	4,897	1,632	14,690	4,897	\$ 475,705	\$ 158,568	\$ -	\$ -
3.3K-10K	4,882	557	335	2,166	557	335	2,166	557	335	2,166	3,057	1,019	9,170	3,057	\$ 296,945	\$ 98,982	\$ -	\$ -
10K-25K	2,227	247	145	980	247	145	980	247	145	980	1,371	457	4,113	1,371	\$ 133,195	\$ 44,398	\$ -	\$ -
25K-50K	1,013	117	71	451	117	71	451	117	71	451	638	213	1,914	638	\$ 61,983	\$ 20,661	\$ -	\$ -
50K-75K	373	34	219	34	34	219	34	34	219	34	287	96	860	287	\$ 27,834	\$ 9,278	\$ -	\$ -
75K-100K	171	8	93	8	8	93	8	8	93	8	109	36	327	109	\$ 10,590	\$ 3,530	\$ -	\$ -
100K-500K	357	20	198	20	20	198	20	20	198	20	238	79	713	238	\$ 23,074	\$ 7,691	\$ -	\$ -
500K-1M	35	6	23	6	6	23	6	6	23	6	35	12	105	35	\$ 3,400	\$ 1,133	\$ -	\$ -
> 1M	21	2	13	2	2	13	2	2	13	2	17	6	50	17	\$ 1,603	\$ 534	\$ -	\$ -
Total	51,460	15,501	6,140	7,235	15,501	6,140	7,235	17,620	6,140	7,235	30,994	10,331	92,982	30,994	\$ 3,011,129	\$ 1,003,710	\$ -	\$ -

Exhibit 40 - EXPLANATION OF CHANGES IN TREATMENT TYPE OR ADDITION OF A NEW SOURCE - REPORTING BURDEN AND COST

Totals																		
Size Category	Number of Systems	Reporting Events by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	429	292	97	68	292	97	68	334	97	68	499	166	3,992	1,331	\$ 129,277	\$ 43,092
101-500	452	334	130	100	334	130	100	380	130	100	610	203	4,880	1,627	\$ 158,034	\$ 52,678	\$ -	\$ -
501-1K	148	106	39	29	106	39	29	121	39	29	189	63	1,512	504	\$ 48,965	\$ 16,322	\$ -	\$ -
1K-3.3K	181	126	45	33	126	45	33	144	45	33	222	74	1,776	592	\$ 57,514	\$ 19,171	\$ -	\$ -
3.3K-10K	100	23	14	89	23	14	89	23	14	89	126	42	1,008	336	\$ 32,643	\$ 10,881	\$ -	\$ -
10K-25K	45	10	6	39	10	6	39	10	6	39	55	18	440	147	\$ 14,249	\$ 4,750	\$ -	\$ -
25K-50K	20	5	3	18	5	3	18	5	3	18	26	9	208	69	\$ 6,736	\$ 2,245	\$ -	\$ -
50K-75K	7	1	9	1	1	9	1	1	9	1	11	4	88	29	\$ 2,850	\$ 950	\$ -	\$ -
75K-100K	3	-	4	-	-	4	-	-	4	-	4	1	32	11	\$ 1,036	\$ 345	\$ -	\$ -
100K-500K	7	1	8	1	1	8	1	1	8	1	10	3	80	27	\$ 2,591	\$ 864	\$ -	\$ -
500K-1M	1	-	1	-	-	1	-	-	1	-	1	0	8	3	\$ 259	\$ 86	\$ -	\$ -
> 1M	-	-	1	-	-	1	-	-	1	-	1	0	8	3	\$ 259	\$ 86	\$ -	\$ -
Total	1,393	898	357	378	898	357	378	1,019	357	378	1,754	585	14,032	4,677	\$ 454,412	\$ 151,471	\$ -	\$ -

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																		
Size Category	Number of Systems	Requests by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	2,146	-	-	-	-	-	2,146	-	-	-	2,146	715	2,146	715	\$ 69,503	\$ 23,168
101-500	2,262	-	-	-	-	-	2,262	-	-	-	2,262	754	2,262	754	\$ 73,256	\$ 24,419	\$ 1,114	\$ 371
501-1K	738	-	-	-	-	-	738	-	-	-	738	246	738	246	\$ 23,903	\$ 7,968	\$ 363	\$ 121
1K-3.3K	906	-	-	-	-	-	906	-	-	-	906	302	906	302	\$ 29,340	\$ 9,780	\$ 446	\$ 149
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
Total	6,052	-	-	-	-	-	6,052	-	-	-	6,052	2,017	6,052	2,017	\$ -	\$ 65,334	\$ -	\$ 993

Note: Assumes 10 percent of small systems will apply for waivers/waiver renewals.

Exhibit 42 - WQP MONITORING - REPORTING BURDEN AND COST

Totals																		
Size Category	Number of Systems	Reporting Events by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	4,236	1,412	21,180	7,060	\$ 685,893	\$ 228,631
101-500	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424	4,272	1,424	21,360	7,120	\$ 691,722	\$ 230,574	\$ 2,103	\$ 701
501-1K	380	380	380	380	380	380	380	380	380	380	1,140	380	5,700	1,900	\$ 184,589	\$ 61,530	\$ 561	\$ 187
1K-3.3K	372	372	372	372	372	372	372	372	372	372	1,116	372	5,580	1,860	\$ 180,703	\$ 60,234	\$ 549	\$ 183
3.3K-10K	240	240	240	240	240	240	240	240	240	240	720	240	3,600	1,200	\$ 116,582	\$ 38,861	\$ 354	\$ 118
10K-25K	94	94	94	94	94	94	94	94	94	94	282	94	1,410	470	\$ 45,661	\$ 15,220	\$ 139	\$ 46
25K-50K	48	48	48	48	48	48	48	48	48	48	144	48	720	240	\$ 23,316	\$ 7,772	\$ 71	\$ 24
50K-75K	34	34	34	34	34	34	34	34	34	34	102	34	510	170	\$ 16,516	\$ 5,505	\$ 50	\$ 17
75K-100K	8	8	8	8	8	8	8	8	8	8	24	8	120	40	\$ 3,886	\$ 1,295	\$ 12	\$ 4
100K-500K	20	20	20	20	20	20	20	20	20	20	60	20	300	100	\$ 9,715	\$ 3,238	\$ 30	\$ 10
500K-1M	6	6	6	6	6	6	6	6	6	6	18	6	90	30	\$ 2,915	\$ 972	\$ 9	\$ 3
> 1M	2	2	2	2	2	2	2	2	2	2	6	2	30	10	\$ 972	\$ 324	\$ 3	\$ 1
Total	4,040	4,040	4,040	4,040	4,040	4,040	4,040	4,040	4,040	4,040	12,120	4,040	60,600	20,200	\$ 1,962,470	\$ 654,157	\$ 5,967	\$ 1,989

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 Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-
101-500	308	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-
501-1K	81	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
1K-3.3K	99	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3K-10K	63	-	61	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10K-25K	21	-	20	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25K-50K	8	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50K-75K	27	5	22	-	-	22	-	-	22	-	22	7	11	4	\$ 356	\$ 119	\$ 11	\$ 4
75K-100K	11	1	10	-	-	10	-	-	10	-	10	3	5	2	\$ 162	\$ 54	\$ 5	\$ 2
100K-500K	24	2	22	-	-	22	-	-	22	-	22	7	11	4	\$ 356	\$ 119	\$ 11	\$ 4
500K-1M	1	-	1	-	-	1	-	-	1	-	1	0	1	0	\$ 16	\$ 5	\$ 0	\$ 0
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	919	8	144	3	25	55	-	-	55	-	55	18	28	9	\$ 891	\$ 297	\$ 27	\$ 9
NTNCWS - Ground Water Systems																		
Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	394	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-
101-500	342	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-
501-1K	85	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-
1K-3.3K	38	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3K-10K	7	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	866	-	7	-	28	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -

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 Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	23	-	-	-	-	-	-	22	-	-	22	7	11	4	\$ 356	\$ 119
101-500	49	-	-	-	-	-	-	47	-	-	47	16	24	8	\$ 761	\$ 254	\$ 23	\$ 8
501-1K	22	-	-	-	-	-	-	21	-	-	21	7	11	4	\$ 340	\$ 113	\$ 10	\$ 3
1K-3.3K	44	-	-	-	-	-	-	43	-	-	43	14	22	7	\$ 696	\$ 232	\$ 21	\$ 7
3.3K-10K	50	-	-	-	-	-	2	48	-	-	50	17	25	8	\$ 810	\$ 270	\$ 25	\$ 8
10K-25K	27	-	-	-	-	-	1	26	-	-	27	9	14	5	\$ 437	\$ 146	\$ 13	\$ 4
25K-50K	16	-	-	-	-	-	1	15	-	-	16	5	8	3	\$ 259	\$ 86	\$ 8	\$ 3
50K-75K	49	-	38	-	-	38	-	11	38	-	49	16	25	8	\$ 793	\$ 264	\$ 24	\$ 8
75K-100K	19	-	16	-	-	16	-	3	16	-	19	6	10	3	\$ 308	\$ 103	\$ 9	\$ 3
100K-500K	66	-	57	-	-	57	-	9	57	-	66	22	33	11	\$ 1,069	\$ 356	\$ 32	\$ 11
500K-1M	6	-	3	-	-	3	-	3	3	-	6	2	3	1	\$ 97	\$ 32	\$ 3	\$ 1
> 1M	3	-	2	-	-	2	-	1	2	-	3	1	2	1	\$ 49	\$ 16	\$ 1	\$ 0
Total	374	-	116	-	-	116	4	249	116	-	369	123	185	62	\$ 5,975	\$ 1,992	\$ 182	\$ 61
NTNCWS - Surface Water Systems																		
Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	11	4	6	2	\$ 178	\$ 59
101-500	14	-	-	-	-	-	-	14	-	-	14	5	7	2	\$ 227	\$ 76	\$ 7	\$ 2
501-1K	4	-	-	-	-	-	-	4	-	-	4	1	2	1	\$ 65	\$ 22	\$ 2	\$ 1
1K-3.3K	4	-	-	-	-	-	-	4	-	-	4	1	2	1	\$ 65	\$ 22	\$ 2	\$ 1
3.3K-10K	2	-	-	-	-	-	-	2	-	-	2	1	1	0	\$ 32	\$ 11	\$ 1	\$ 0
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	35	-	-	-	-	-	-	35	-	-	35	12	18	6	\$ 567	\$ 189	\$ 17	\$ 6

Exhibit 43 - SOURCE WATER MONITORING - REPORTING BURDEN AND COST (cont.)

Totals																			
Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)								
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	704	-	-	-	22	-	-	33	-	-	33	11	17	6	534	178	16	5	
101-500	713	-	-	-	21	-	-	61	-	-	61	20	31	10	988	329	30	10	
501-1K	192	-	-	-	6	-	-	25	-	-	25	8	13	4	405	135	12	4	
1K-3.3K	185	-	-	-	4	-	-	47	-	-	47	16	24	8	761	254	23	8	
3.3K-10K	122	-	68	2	-	-	2	50	-	-	52	17	26	9	842	281	26	9	
10K-25K	48	-	20	1	-	-	1	26	-	-	27	9	14	5	437	146	13	4	
25K-50K	24	-	8	-	-	-	1	15	-	-	16	5	8	3	259	86	8	3	
50K-75K	76	5	60	-	-	60	-	11	60	-	71	24	36	12	1,150	383	35	12	
75K-100K	30	1	26	-	-	26	-	3	26	-	29	10	15	5	470	157	14	5	
100K-500K	90	2	79	-	-	79	-	9	79	-	88	29	44	15	1,425	475	43	14	
500K-1M	7	-	4	-	-	4	-	3	4	-	7	2	4	1	113	38	3	1	
> 1M	3	-	2	-	-	2	-	1	2	-	3	1	2	1	49	16	1	0	
Total	2,194	8	267	3	53	171	4	284	171	-	459	153	230	77	7,432	2,477	226	75	

Exhibit 44 - ANNUAL LEAD SERVICE LINE REPLACEMENT LETTER - REPORTING BURDEN AND COST

Totals																		
Size Category	Number of Systems	Reporting Events by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	947	947	947	947	947	947	947	947	947	947	2,841	947	1,421	474	\$ 46,001	\$ 15,334
101-500	959	959	959	959	959	959	959	959	959	959	2,877	959	1,439	480	\$ 46,584	\$ 15,528	\$ 1,417	\$ 472
501-1K	246	246	246	246	246	246	246	246	246	246	738	246	369	123	\$ 11,950	\$ 3,983	\$ 363	\$ 121
1K-3.3K	237	237	237	237	237	237	237	237	237	237	711	237	356	119	\$ 11,513	\$ 3,838	\$ 350	\$ 117
3.3K-10K	133	133	133	133	133	133	133	133	133	133	399	133	200	67	\$ 6,461	\$ 2,154	\$ 196	\$ 65
10K-25K	40	40	40	40	40	40	40	40	40	40	120	40	60	20	\$ 1,943	\$ 648	\$ 59	\$ 20
25K-50K	16	16	16	16	16	16	16	16	16	16	48	16	24	8	\$ 777	\$ 259	\$ 24	\$ 8
50K-75K	10	10	10	10	10	10	10	10	10	10	30	10	15	5	\$ 486	\$ 162	\$ 15	\$ 5
75K-100K	2	2	2	2	2	2	2	2	2	2	6	2	3	1	\$ 97	\$ 32	\$ 3	\$ 1
100K-500K	2	2	2	2	2	2	2	2	2	2	6	2	3	1	\$ 97	\$ 32	\$ 3	\$ 1
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	2,592	2,592	2,592	2,592	2,592	2,592	2,592	2,592	2,592	2,592	7,776	2,592	3,888	1,296	\$ 125,909	\$ 41,970	\$ 3,829	\$ 1,276

Exhibit 45 - PARTIAL LEAD SERVICE LINE REPLACEMENT LETTER - REPORTING BURDEN AND COST

Totals																		
Size Category	Number of Systems	Reporting Events by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	710	6,392	6,392	6,392	6,392	6,392	6,392	6,392	6,392	6,392	19,177	6,392	9,588	3,196	\$ 310,510	\$ 103,503
101-500	719	6,473	6,473	6,473	6,473	6,473	6,473	6,473	6,473	6,473	19,420	6,473	9,710	3,237	\$ 314,445	\$ 104,815	\$ 9,561	\$ 3,187
501-1K	185	1,661	1,661	1,661	1,661	1,661	1,661	1,661	1,661	1,661	4,982	1,661	2,491	830	\$ 80,660	\$ 26,887	\$ 2,453	\$ 818
1K-3.3K	178	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	4,799	1,600	2,400	800	\$ 77,709	\$ 25,903	\$ 2,363	\$ 788
3.3K-10K	100	898	898	898	898	898	898	898	898	898	2,693	898	1,347	449	\$ 43,609	\$ 14,536	\$ 1,326	\$ 442
10K-25K	30	270	270	270	270	270	270	270	270	270	810	270	405	135	\$ 13,116	\$ 4,372	\$ 399	\$ 133
25K-50K	12	108	108	108	108	108	108	108	108	108	324	108	162	54	\$ 5,246	\$ 1,749	\$ 160	\$ 53
50K-75K	8	68	68	68	68	68	68	68	68	68	203	68	101	34	\$ 3,279	\$ 1,093	\$ 100	\$ 33
75K-100K	2	14	14	14	14	14	14	14	14	14	41	14	20	7	\$ 656	\$ 219	\$ 20	\$ 7
100K-500K	2	14	14	14	14	14	14	14	14	14	41	14	20	7	\$ 656	\$ 219	\$ 20	\$ 7
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	1,944	17,496	17,496	17,496	17,496	17,496	17,496	17,496	17,496	17,496	52,488	17,496	26,244	8,748	\$ 849,886	\$ 283,295	\$ 25,843	\$ 8,614

Exhibit 46 - PUBLIC EDUCATION - REPORTING BURDEN AND COST

Totals																			
Size Category	Number of Systems	Reporting Events by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)								
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	516	516	516	516	516	516	516	516	516	516	1,548	516	1,548	516	\$ 50,130	\$ 16,710	\$ 762
101-500	500	500	500	500	500	500	500	500	500	500	1,500	500	1,500	500	\$ 48,576	\$ 16,192	\$ 739	\$ 246	
501-1K	137	137	137	137	137	137	137	137	137	137	411	137	411	137	\$ 13,310	\$ 4,437	\$ 202	\$ 67	
1K-3.3K	159	159	159	159	159	159	159	159	159	159	477	159	477	159	\$ 15,447	\$ 5,149	\$ 235	\$ 78	
3.3K-10K	113	113	113	113	113	113	113	113	113	113	339	113	339	113	\$ 10,978	\$ 3,659	\$ 167	\$ 56	
10K-25K	48	48	48	48	48	48	48	48	48	48	144	48	144	48	\$ 4,663	\$ 1,554	\$ 71	\$ 24	
25K-50K	24	24	24	24	24	24	24	24	24	24	72	24	72	24	\$ 2,332	\$ 777	\$ 35	\$ 12	
50K-75K	17	17	17	17	17	17	17	17	17	17	51	17	51	17	\$ 1,652	\$ 551	\$ 25	\$ 8	
75K-100K	4	4	4	4	4	4	4	4	4	4	12	4	12	4	\$ 389	\$ 130	\$ 6	\$ 2	
100K-500K	11	11	11	11	11	11	11	11	11	11	33	11	33	11	\$ 1,069	\$ 356	\$ 16	\$ 5	
500K-1M	3	3	3	3	3	3	3	3	3	3	9	3	9	3	\$ 291	\$ 97	\$ 4	\$ 1	
> 1M	1	1	1	1	1	1	1	1	1	1	3	1	3	1	\$ 97	\$ 32	\$ 1	\$ 0	
Total	1,533	1,533	1,533	1,533	1,533	1,533	1,533	1,533	1,533	1,533	4,599	1,533	4,599	1,533	\$ 148,934	\$ 49,645	\$ 2,264	\$ 755	

Exhibit 47 - REPORTING BURDEN AND COST SUMMARY (Excluding Customer Notification Certification)

Totals																			
Size Category	Number of Systems	Reporting Events by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)								
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	21,462	28,312	15,563	13,664	28,334	15,563	15,810	31,165	15,563	13,664	62,538	20,846	92,328	30,776	\$ 3,596,974	\$ 1,198,991	\$ 27,067
101-500	22,621	32,004	18,013	15,915	32,025	18,013	18,177	35,167	18,013	15,915	71,358	23,786	108,956	36,319	\$ 4,268,081	\$ 1,422,694	\$ 29,957	\$ 9,986	
501-1K	7,381	9,756	5,117	4,404	9,762	5,117	5,142	10,815	5,117	4,404	21,074	7,025	33,212	11,071	\$ 1,305,588	\$ 435,196	\$ 8,619	\$ 2,873	
1K-3.3K	9,060	11,610	5,660	4,724	11,614	5,660	5,630	12,992	5,660	4,724	24,282	8,094	40,091	13,364	\$ 1,568,070	\$ 522,690	\$ 9,435	\$ 3,145	
3.3K-10K	5,014	3,122	2,506	8,107	3,122	2,438	8,107	3,172	2,438	8,105	13,718	4,573	23,604	7,868	\$ 918,171	\$ 306,057	\$ 5,187	\$ 1,729	
10K-25K	2,239	1,204	913	3,440	1,204	893	3,440	1,230	893	3,439	5,562	1,854	10,371	3,457	\$ 402,715	\$ 134,238	\$ 2,036	\$ 679	
25K-50K	1,019	552	420	1,571	552	412	1,572	567	412	1,571	2,550	850	4,871	1,624	\$ 188,872	\$ 62,957	\$ 929	\$ 310	
50K-75K	374	237	854	232	232	854	232	243	854	232	1,328	443	2,450	817	\$ 93,266	\$ 31,089	\$ 507	\$ 169	
75K-100K	171	53	337	52	52	337	52	55	337	52	443	148	829	276	\$ 32,125	\$ 10,708	\$ 162	\$ 54	
100K-500K	358	110	727	108	108	727	108	117	727	108	951	317	1,907	636	\$ 73,309	\$ 24,436	\$ 346	\$ 115	
500K-1M	35	27	83	27	27	83	27	30	83	27	140	47	321	107	\$ 12,079	\$ 4,026	\$ 51	\$ 17	
> 1M	21	9	44	9	9	44	9	10	44	9	63	21	142	47	\$ 5,384	\$ 1,795	\$ 22	\$ 7	
Total	69,755	86,993	50,236	52,252	87,038	50,140	58,305	95,561	50,140	52,249	204,005	68,002	319,079	106,360	\$ 12,464,635	\$ 4,154,878	\$ 84,319	\$ 28,106	

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	0.5	\$ 43.79	\$ 0.44	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	0.5	\$ 43.79	\$ 0.44	1.0	2.3
501-1K	1.0	0.25	1.0	8.0	0.5	6.83	0.5	0.5	0.5	0.5	0.5	\$ 43.79	\$ 0.44	1.0	2.3
1K-3.3K	1.0	0.25	1.0	8.0	0.5	6.83	0.5	0.5	0.5	0.5	0.5	\$ 43.79	\$ 0.44	1.0	2.3
3.3K-10K	1.0	0.5	1.0	8.0	N/A	6.83	0.5	0.5	0.5	0.5	0.5	\$ 43.79	\$ 0.44	1.0	2.3
10K-25K	1.0	0.75	1.0	8.0	N/A	6.83	0.5	0.5	0.5	0.5	0.5	\$ 43.79	\$ 0.44	1.0	2.3
25K-50K	1.0	0.75	1.0	8.0	N/A	6.83	0.5	0.5	0.5	0.5	0.5	\$ 43.79	\$ 0.44	1.0	2.3
50K-75K	1.0	0.75	1.0	8.0	N/A	6.83	0.5	0.5	0.5	0.5	0.5	\$ 43.79	\$ 0.44	1.0	2.3
75K-100K	1.0	0.75	1.0	8.0	N/A	6.83	0.5	0.5	0.5	0.5	0.5	\$ 43.79	\$ 0.44	1.0	2.3
100K-500K	1.0	1.0	1.0	8.0	N/A	6.83	0.5	0.5	0.5	0.5	0.5	\$ 43.79	\$ 0.44	1.0	2.3
500K-1M	1.0	1.0	1.0	8.0	N/A	6.83	0.5	0.5	0.5	0.5	0.5	\$ 43.79	\$ 0.44	1.0	2.3
> 1M	1.0	1.0	1.0	8.0	N/A	6.83	0.5	0.5	0.5	0.5	0.5	\$ 43.79	\$ 0.44	1.0	2.3

Note: Burden estimates take into account the results of the August 2011 consultation with water industry representatives.

Exhibit 49 - Labor Rates

State Labor Rate \$43.79

System Labor Rates	
≤100	\$32.38
101-500	\$32.38
501-1K	\$32.38
1K-3.3K	\$32.38
3.3K-10K	\$32.38
10K-25K	\$32.38
25K-50K	\$32.38
50K-75K	\$32.38
75K-100K	\$32.38
100K-500K	\$32.38
500K-1M	\$32.38
> 1M	\$32.38

Postage \$ 0.44

PWS Labor Rate

Base (Hourly) \$20.24
 Load Factor 1.6
 Inflation Factor 1.00
 Total \$32.38

State Labor Rate

Base (Hourly) \$27.37
 Load Factor 1.6
 Inflation Factor 1.00
 Total \$43.79

2010\$ 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 2010 data (published in May 2011).
<http://stats.bls.gov/oes/current/oes518031.htm>

1 ECI New
 1 ECI Base

2010\$ National Occupational Employment and Wage Estimates, United States, BLS SOC Code 19-2041, "State Government - Environmental Scientists and Specialists, Including Health". May 2010 data (published in May 2011).
<http://stats.bls.gov/oes/current/oes192041.htm>

1 ECI New
 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 Compliance Cycle)										Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	12,634	6,106	6,106	6,106	6,106	6,106	6,106	6,106	6,106	6,106	18,319	6,106	18,319	6,106	\$ 802,239	\$ 267,413	\$ -
101-500	15,890	7,680	7,680	7,680	7,680	7,680	7,680	7,680	7,680	7,680	23,041	7,680	23,041	7,680	\$ 1,008,990	\$ 336,330	\$ -	\$ -	
501-1K	5,636	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	2,724	8,172	2,724	8,172	2,724	\$ 357,877	\$ 119,292	\$ -	\$ -	
1K-3.3K	8,221	3,973	3,973	3,973	3,973	3,973	3,973	3,973	3,973	3,973	11,920	3,973	11,920	3,973	\$ 522,020	\$ 174,007	\$ -	\$ -	
3.3K-10K	4,882	2,360	2,360	2,360	2,360	2,360	2,360	2,360	2,360	2,360	7,079	2,360	7,079	2,360	\$ 309,999	\$ 103,333	\$ -	\$ -	
10K-25K	2,227	1,076	1,076	1,076	1,076	1,076	1,076	1,076	1,076	1,076	3,229	1,076	3,229	1,076	\$ 141,411	\$ 47,137	\$ -	\$ -	
25K-50K	1,013	490	490	490	490	490	490	490	490	490	1,469	490	1,469	490	\$ 64,324	\$ 21,441	\$ -	\$ -	
50K-75K	373	180	180	180	180	180	180	180	180	180	541	180	541	180	\$ 23,685	\$ 7,895	\$ -	\$ -	
75K-100K	171	83	83	83	83	83	83	83	83	83	248	83	248	83	\$ 10,858	\$ 3,619	\$ -	\$ -	
100K-500K	357	173	173	173	173	173	173	173	173	173	518	173	518	173	\$ 22,669	\$ 7,556	\$ -	\$ -	
500K-1M	35	17	17	17	17	17	17	17	17	17	51	17	51	17	\$ 2,222	\$ 741	\$ -	\$ -	
> 1M	21	10	10	10	10	10	10	10	10	10	30	10	30	10	\$ 1,333	\$ 444	\$ -	\$ -	
Total	51,460	24,872	24,872	24,872	24,872	24,872	24,872	24,872	24,872	24,872	74,617	24,872	74,617	24,872	\$ 3,267,628	\$ 1,089,209	\$ -	\$ -	

Review of Self Certification Letters NTNCWSS

Size Category	Number of Systems	Monitoring Event Reviews by Year (Representing 9-Year Compliance Cycle)										Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	8,828	4,267	4,267	4,267	4,267	4,267	4,267	4,267	4,267	4,267	12,801	4,267	12,801	4,267	\$ 560,564	\$ 186,855	\$ -
101-500	6,731	3,253	3,253	3,253	3,253	3,253	3,253	3,253	3,253	3,253	9,760	3,253	9,760	3,253	\$ 427,408	\$ 142,469	\$ -	\$ -	
501-1K	1,745	843	843	843	843	843	843	843	843	843	2,530	843	2,530	843	\$ 110,805	\$ 36,935	\$ -	\$ -	
1K-3.3K	839	406	406	406	406	406	406	406	406	406	1,217	406	1,217	406	\$ 53,275	\$ 17,758	\$ -	\$ -	
3.3K-10K	132	64	64	64	64	64	64	64	64	64	191	64	191	64	\$ 8,382	\$ 2,794	\$ -	\$ -	
10K-25K	12	6	6	6	6	6	6	6	6	6	17	6	17	6	\$ 762	\$ 254	\$ -	\$ -	
25K-50K	6	3	3	3	3	3	3	3	3	3	9	3	9	3	\$ 381	\$ 127	\$ -	\$ -	
50K-75K	1	0	0	0	0	0	0	0	0	0	1	0	1	0	\$ 63	\$ 21	\$ -	\$ -	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	1	0	0	0	0	0	0	0	0	0	1	0	1	0	\$ 63	\$ 21	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	18,295	8,843	8,843	8,843	8,843	8,843	8,843	8,843	8,843	8,843	26,528	8,843	26,528	8,843	\$ 1,161,703	\$ 387,234	\$ -	\$ -	

Totals

Size Category	Number of Systems	Monitoring Event Reviews by Year (Representing 9-Year Compliance Cycle)										Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	21,462	10,373	10,373	10,373	10,373	10,373	10,373	10,373	10,373	10,373	31,120	10,373	31,120	10,373	\$ 1,362,803	\$ 454,268	\$ -
101-500	22,621	10,933	10,933	10,933	10,933	10,933	10,933	10,933	10,933	10,933	32,800	10,933	32,800	10,933	\$ 1,436,397	\$ 478,799	\$ -	\$ -	
501-1K	7,381	3,567	3,567	3,567	3,567	3,567	3,567	3,567	3,567	3,567	10,702	3,567	10,702	3,567	\$ 468,682	\$ 156,227	\$ -	\$ -	
1K-3.3K	9,060	4,379	4,379	4,379	4,379	4,379	4,379	4,379	4,379	4,379	13,137	4,379	13,137	4,379	\$ 575,296	\$ 191,765	\$ -	\$ -	
3.3K-10K	5,014	2,423	2,423	2,423	2,423	2,423	2,423	2,423	2,423	2,423	7,270	2,423	7,270	2,423	\$ 318,381	\$ 106,127	\$ -	\$ -	
10K-25K	2,239	1,082	1,082	1,082	1,082	1,082	1,082	1,082	1,082	1,082	3,247	1,082	3,247	1,082	\$ 142,173	\$ 47,391	\$ -	\$ -	
25K-50K	1,019	493	493	493	493	493	493	493	493	493	1,478	493	1,478	493	\$ 64,705	\$ 21,568	\$ -	\$ -	
50K-75K	374	181	181	181	181	181	181	181	181	181	542	181	542	181	\$ 23,748	\$ 7,916	\$ -	\$ -	
75K-100K	171	83	83	83	83	83	83	83	83	83	248	83	248	83	\$ 10,858	\$ 3,619	\$ -	\$ -	
100K-500K	358	173	173	173	173	173	173	173	173	173	519	173	519	173	\$ 22,732	\$ 7,577	\$ -	\$ -	
500K-1M	35	17	17	17	17	17	17	17	17	17	51	17	51	17	\$ 2,222	\$ 741	\$ -	\$ -	
> 1M	21	10	10	10	10	10	10	10	10	10	30	10	30	10	\$ 1,333	\$ 444	\$ -	\$ -	
Total	69,755	33,715	33,715	33,715	33,715	33,715	33,715	33,715	33,715	33,715	101,145	33,715	101,145	33,715	\$ 4,429,331	\$ 1,476,444	\$ -	\$ -	

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 Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	10,731	7,288	2,426	1,710	7,288	2,426	1,710	8,361	2,426	1,710	12,497	4,166	15,621	5,207	\$ 684,058	\$ 228,019
101-500	11,311	8,362	3,246	2,488	8,362	3,246	2,488	9,493	3,246	2,488	15,227	5,076	19,033	6,344	\$ 833,499	\$ 277,833	\$ 6,700	\$ 2,233
501-1K	3,691	2,646	987	735	2,646	987	735	3,015	987	735	4,736	1,579	5,920	1,973	\$ 259,249	\$ 86,416	\$ 2,084	\$ 695
1K-3.3K	4,530	3,153	1,132	816	3,153	1,132	816	3,606	1,132	816	5,554	1,851	6,942	2,314	\$ 303,999	\$ 101,333	\$ 2,444	\$ 815
3.3K-10K	2,507	580	353	2,234	580	353	2,234	580	353	2,234	3,166	1,055	4,749	1,583	\$ 207,968	\$ 69,323	\$ 1,393	\$ 464
10K-25K	1,120	248	145	984	248	145	984	248	145	984	1,377	459	2,409	803	\$ 105,489	\$ 35,163	\$ 606	\$ 202
25K-50K	510	117	71	453	117	71	453	117	71	453	641	214	1,122	374	\$ 49,124	\$ 16,375	\$ 282	\$ 94
50K-75K	187	34	219	34	34	219	34	34	219	34	287	96	502	167	\$ 21,995	\$ 7,332	\$ 126	\$ 42
75K-100K	86	8	93	8	8	93	8	8	93	8	109	36	191	64	\$ 8,353	\$ 2,784	\$ 48	\$ 16
100K-500K	179	20	198	20	20	198	20	20	198	20	238	79	476	159	\$ 20,845	\$ 6,948	\$ 105	\$ 35
500K-1M	18	6	23	6	6	23	6	6	23	6	35	12	70	23	\$ 3,065	\$ 1,022	\$ 15	\$ 5
> 1M	11	2	13	2	2	13	2	2	13	2	17	6	33	11	\$ 1,445	\$ 482	\$ 7	\$ 2
Total	34,878	22,463	8,906	9,488	22,463	8,906	9,488	25,489	8,906	9,488	43,882	14,627	57,067	19,022	\$ 2,499,089	\$ 833,030	\$ 19,308	\$ 6,436

Reduced Monitoring - System Performing Calculations																		
Size Category	Number of Systems	Monitoring Event Reviews by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	10,731	7,288	2,426	1,710	7,288	2,426	1,710	8,361	2,426	1,710	12,497	4,166	12,497	4,166	\$ 547,247	\$ 182,416
101-500	11,311	8,362	3,246	2,488	8,362	3,246	2,488	9,493	3,246	2,488	15,227	5,076	15,227	5,076	\$ 666,799	\$ 222,266	\$ -	\$ -
501-1K	3,691	2,646	987	735	2,646	987	735	3,015	987	735	4,736	1,579	4,736	1,579	\$ 207,399	\$ 69,133	\$ -	\$ -
1K-3.3K	4,530	3,153	1,132	816	3,153	1,132	816	3,606	1,132	816	5,554	1,851	5,554	1,851	\$ 243,199	\$ 81,066	\$ -	\$ -
3.3K-10K	2,507	580	353	2,234	580	353	2,234	580	353	2,234	3,166	1,055	3,166	1,055	\$ 138,645	\$ 46,215	\$ -	\$ -
10K-25K	1,120	248	145	984	248	145	984	248	145	984	1,377	459	1,377	459	\$ 60,280	\$ 20,093	\$ -	\$ -
25K-50K	510	117	71	453	117	71	453	117	71	453	641	214	641	214	\$ 28,071	\$ 9,357	\$ -	\$ -
50K-75K	187	34	219	34	34	219	34	34	219	34	287	96	287	96	\$ 12,568	\$ 4,189	\$ -	\$ -
75K-100K	86	8	93	8	8	93	8	8	93	8	109	36	109	36	\$ 4,773	\$ 1,591	\$ -	\$ -
100K-500K	179	20	198	20	20	198	20	20	198	20	238	79	238	79	\$ 10,422	\$ 3,474	\$ -	\$ -
500K-1M	18	6	23	6	6	23	6	6	23	6	35	12	35	12	\$ 1,533	\$ 511	\$ -	\$ -
> 1M	11	2	13	2	2	13	2	2	13	2	17	6	17	6	\$ 723	\$ 241	\$ -	\$ -
Total	34,878	22,463	8,906	9,488	22,463	8,906	9,488	25,489	8,906	9,488	43,882	14,627	43,882	14,627	\$ 1,921,659	\$ 640,553	\$ -	\$ -

Totals

Size Category	Number of Systems	Monitoring Event Reviews by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	21,462	14,576	4,852	3,419	14,576	4,852	3,419	16,722	4,852	3,419	24,993	8,331	28,117	9,372	\$ 1,231,305	\$ 410,435
101-500	22,621	16,724	6,492	4,975	16,724	6,492	4,975	18,986	6,492	4,975	30,453	10,151	34,260	11,420	\$ 1,500,297	\$ 500,099	\$ 6,700	\$ 2,233
501-1K	7,381	5,291	1,974	1,469	5,291	1,974	1,469	6,029	1,974	1,469	9,472	3,157	10,656	3,552	\$ 466,648	\$ 155,549	\$ 2,084	\$ 695
1K-3.3K	9,060	6,306	2,264	1,631	6,306	2,264	1,631	7,212	2,264	1,631	11,107	3,702	12,495	4,165	\$ 547,197	\$ 182,399	\$ 2,444	\$ 815
3.3K-10K	5,014	1,159	706	4,467	1,159	706	4,467	1,159	706	4,467	6,332	2,111	7,915	2,638	\$ 346,614	\$ 115,538	\$ 1,393	\$ 464
10K-25K	2,239	495	290	1,968	495	290	1,968	495	290	1,968	2,753	918	3,785	1,262	\$ 165,769	\$ 55,256	\$ 606	\$ 202
25K-50K	1,019	234	142	906	234	142	906	234	142	906	1,282	427	1,763	588	\$ 77,194	\$ 25,731	\$ 282	\$ 94
50K-75K	374	68	438	68	68	438	68	68	438	68	574	191	789	263	\$ 34,563	\$ 11,521	\$ 126	\$ 42
75K-100K	171	16	186	16	16	186	16	16	186	16	218	73	300	100	\$ 13,127	\$ 4,376	\$ 48	\$ 16
100K-500K	358	40	396	40	40	396	40	40	396	40	476	159	714	238	\$ 31,267	\$ 10,422	\$ 105	\$ 35
500K-1M	35	12	46	12	12	46	12	12	46	12	70	23	105	35	\$ 4,598	\$ 1,533	\$ 15	\$ 5
> 1M	21	4	25	4	4	25	4	4	25	4	33	11	50	17	\$ 2,168	\$ 723	\$ 7	\$ 2
Total	69,755	44,925	17,811	18,975	44,925	17,811	18,975	50,977	17,811	18,975	87,763	29,254	100,949	33,650	\$ 4,420,748	\$ 1,473,583	\$ 19,308	\$ 6,436

Exhibit 52 - Review of Tap Monitoring Location Change Letters - Burden and Cost

Totals																		
Size Category	Number of Systems	Reviews by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Reviews	Annual Reviews	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
		≤100	12,634	4,177	1,347	910	4,177	1,347	910	4,809	1,347	910	7,065	2,355	7,065	2,355	\$ 309,390	\$ 103,130
101-500	15,890	5,590	2,035	1,484	5,590	2,035	1,484	6,384	2,035	1,484	9,903	3,301	9,903	3,301	\$ 433,672	\$ 144,557	\$ -	\$ -
501-1K	5,636	1,935	681	483	1,935	681	483	2,217	681	483	3,380	1,127	3,380	1,127	\$ 147,995	\$ 49,332	\$ -	\$ -
1K-3.3K	8,221	2,810	983	693	2,810	983	693	3,221	983	693	4,897	1,632	4,897	1,632	\$ 214,428	\$ 71,476	\$ -	\$ -
3.3K-10K	4,882	557	335	2,166	557	335	2,166	557	335	2,166	3,057	1,019	3,057	1,019	\$ 133,850	\$ 44,617	\$ -	\$ -
10K-25K	2,227	247	145	980	247	145	980	247	145	980	1,371	457	1,371	457	\$ 60,039	\$ 20,013	\$ -	\$ -
25K-50K	1,013	117	71	451	117	71	451	117	71	451	638	213	638	213	\$ 27,939	\$ 9,313	\$ -	\$ -
50K-75K	373	34	219	34	34	219	34	34	219	34	287	96	287	96	\$ 12,546	\$ 4,182	\$ -	\$ -
75K-100K	171	8	93	8	8	93	8	8	93	8	109	36	109	36	\$ 4,773	\$ 1,591	\$ -	\$ -
100K-500K	357	20	198	20	20	198	20	20	198	20	238	79	238	79	\$ 10,401	\$ 3,467	\$ -	\$ -
500K-1M	35	6	23	6	6	23	6	6	23	6	35	12	35	12	\$ 1,533	\$ 511	\$ -	\$ -
> 1M	21	2	13	2	2	13	2	2	13	2	17	6	17	6	\$ 723	\$ 241	\$ -	\$ -
Total	51,460	15,501	6,140	7,235	15,501	6,140	7,235	17,620	6,140	7,235	30,994	10,331	30,994	10,331	\$ 1,357,289	\$ 452,430	\$ -	\$ -

Exhibit 53 - Review of Explanation of Changes in Treatment Type or Addition of a New Source - Burden and Cost

Totals																		
Size Category	Number of Systems	Reviews by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Reviews	Annual Reviews	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
		≤100	429	292	97	68	292	97	68	334	97	68	500	167	3,999	1,333	\$ 175,119	\$ 58,373
101-500	452	334	130	100	334	130	100	380	130	100	609	203	4,872	1,624	\$ 213,376	\$ 71,125	\$ -	\$ -
501-1K	148	106	39	29	106	39	29	121	39	29	189	63	1,516	505	\$ 66,368	\$ 22,123	\$ -	\$ -
1K-3.3K	181	126	45	33	126	45	33	144	45	33	222	74	1,777	592	\$ 77,824	\$ 25,941	\$ -	\$ -
3.3K-10K	100	23	14	89	23	14	89	23	14	89	127	42	1,013	338	\$ 44,367	\$ 14,789	\$ -	\$ -
10K-25K	45	10	6	39	10	6	39	10	6	39	55	18	440	147	\$ 19,290	\$ 6,430	\$ -	\$ -
25K-50K	20	5	3	18	5	3	18	5	3	18	26	9	205	68	\$ 8,983	\$ 2,994	\$ -	\$ -
50K-75K	7	1	9	1	1	9	1	1	9	1	11	4	92	31	\$ 4,022	\$ 1,341	\$ -	\$ -
75K-100K	3	0	4	0	0	4	0	0	4	0	4	1	35	12	\$ 1,527	\$ 509	\$ -	\$ -
100K-500K	7	1	8	1	1	8	1	1	8	1	10	3	76	25	\$ 3,335	\$ 1,112	\$ -	\$ -
500K-1M	1	0	1	0	0	1	0	0	1	0	1	0	11	4	\$ 490	\$ 163	\$ -	\$ -
> 1M	0	0	1	0	0	1	0	0	1	0	1	0	5	2	\$ 231	\$ 77	\$ -	\$ -
Total	1,395	899	356	380	899	356	380	1,020	356	380	1,755	585	14,042	4,681	\$ 614,931	\$ 204,977	\$ -	\$ -

Exhibit 54 - Review of Monitoring Waiver Requests - Burden and Cost

Totals																		
Size Category	Number of Systems	Reviews by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Reviews	Annual Reviews	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
		≤100	2,146	-	-	-	-	-	2,146	-	-	-	2,146	715	1,073	358	\$ 46,993	\$ 15,664
101-500	2,262	-	-	-	-	-	2,262	-	-	-	2,262	754	1,131	377	\$ 49,531	\$ 16,510	\$ 995	\$ 332
501-1K	738	-	-	-	-	-	738	-	-	-	738	246	369	123	\$ 16,161	\$ 5,387	\$ 325	\$ 108
1K-3.3K	906	-	-	-	-	-	906	-	-	-	906	302	453	151	\$ 19,838	\$ 6,613	\$ 399	\$ 133
3.3K-10K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	6,052	-	-	-	-	-	6,052	-	-	-	6,052	2,017	3,026	1,009	\$ 132,523	\$ 44,174	\$ 2,663	\$ 888

Exhibit 55 - Review of WQP Monitoring Reports - Burden and Cost

Totals																		
Size Category	Number of Systems	Reviews by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Reviews	Annual Reviews	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
		≤100	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	1,412	4,236	1,412	28,932	9,644	\$ 1,266,985	\$ 422,328
101-500	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424	4,272	1,424	29,178	9,726	\$ 1,277,752	\$ 425,917	\$ -	\$ -
501-1K	380	380	380	380	380	380	380	380	380	380	1,140	380	7,786	2,595	\$ 340,973	\$ 113,658	\$ -	\$ -
1K-3.3K	372	372	372	372	372	372	372	372	372	372	1,116	372	7,622	2,541	\$ 333,795	\$ 111,265	\$ -	\$ -
3.3K-10K	240	240	240	240	240	240	240	240	240	240	720	240	4,918	1,639	\$ 215,352	\$ 71,784	\$ -	\$ -
10K-25K	94	94	94	94	94	94	94	94	94	94	282	94	1,926	642	\$ 84,346	\$ 28,115	\$ -	\$ -
25K-50K	48	48	48	48	48	48	48	48	48	48	144	48	984	328	\$ 43,070	\$ 14,357	\$ -	\$ -
50K-75K	34	34	34	34	34	34	34	34	34	34	102	34	697	232	\$ 30,508	\$ 10,169	\$ -	\$ -
75K-100K	8	8	8	8	8	8	8	8	8	8	24	8	164	55	\$ 7,178	\$ 2,393	\$ -	\$ -
100K-500K	20	20	20	20	20	20	20	20	20	20	60	20	410	137	\$ 17,946	\$ 5,982	\$ -	\$ -
500K-1M	6	6	6	6	6	6	6	6	6	6	18	6	123	41	\$ 5,384	\$ 1,795	\$ -	\$ -
> 1M	2	2	2	2	2	2	2	2	2	2	6	2	41	14	\$ 1,795	\$ 598	\$ -	\$ -
Total	4,040	4,040	4,040	4,040	4,040	4,040	4,040	4,040	4,040	4,040	12,120	4,040	82,780	27,593	\$ 3,625,084	\$ 1,208,361	\$ -	\$ -

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 Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	-	9	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
101-500	308	-	-	-	10	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
501-1K	81	-	-	-	3	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
1K-3.3K	99	-	-	-	3	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
3.3K-10K	63	-	61	2	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
10K-25K	21	-	20	1	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
25K-50K	8	-	8	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
50K-75K	27	5	22	-	-	22	-	-	22	-	22	7	11	4	\$ 482	\$ 161	\$ -	
75K-100K	11	1	10	-	-	10	-	-	10	-	10	3	5	2	\$ 219	\$ 73	\$ -	
100K-500K	24	2	22	-	-	22	-	-	22	-	22	7	11	4	\$ 482	\$ 161	\$ -	
500K-1M	1	-	1	-	-	1	-	-	1	-	1	0	1	0	\$ 22	\$ 7	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	919	8	144	3	25	55	-	-	55	-	55	18	28	9	\$ 1,204	\$ 401	\$ -	

NTNCWS - Ground Water Systems																		
Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	394	-	-	-	13	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -
101-500	342	-	-	-	11	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
501-1K	85	-	-	-	3	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
1K-3.3K	38	-	-	-	1	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
3.3K-10K	7	-	7	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	
Total	866	-	7	-	28	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	

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 Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	23	-	-	-	-	-	-	22	-	-	22	7	11	4	\$ 482	\$ 161	\$ -	\$ -
101-500	49	-	-	-	-	-	-	47	-	-	47	16	24	8	\$ 1,029	\$ 343	\$ -	\$ -
501-1K	22	-	-	-	-	-	-	21	-	-	21	7	11	4	\$ 460	\$ 153	\$ -	\$ -
1K-3.3K	44	-	-	-	-	-	-	43	-	-	43	14	22	7	\$ 942	\$ 314	\$ -	\$ -
3.3K-10K	50	-	-	-	-	-	2	48	-	-	50	17	25	8	\$ 1,095	\$ 365	\$ -	\$ -
10K-25K	27	-	-	-	-	-	1	26	-	-	27	9	14	5	\$ 591	\$ 197	\$ -	\$ -
25K-50K	16	-	-	-	-	-	1	15	-	-	16	5	8	3	\$ 350	\$ 117	\$ -	\$ -
50K-75K	49	-	38	-	-	38	-	11	38	-	49	16	25	8	\$ 1,073	\$ 358	\$ -	\$ -
75K-100K	19	-	16	-	-	16	-	3	16	-	19	6	10	3	\$ 416	\$ 139	\$ -	\$ -
100K-500K	66	-	57	-	-	57	-	9	57	-	66	22	33	11	\$ 1,445	\$ 482	\$ -	\$ -
500K-1M	6	-	3	-	-	3	-	3	3	-	6	2	3	1	\$ 131	\$ 44	\$ -	\$ -
> 1M	3	-	2	-	-	2	-	1	2	-	3	1	2	1	\$ 66	\$ 22	\$ -	\$ -
Total	374	-	116	-	-	116	4	249	116	-	369	123	185	62	\$ 8,080	\$ 2,693	\$ -	\$ -
NTNCWS - Surface Water Systems																		
Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	-	-	11	4	6	2	\$ 241	\$ 80	\$ -	\$ -
101-500	14	-	-	-	-	-	-	14	-	-	14	5	7	2	\$ 307	\$ 102	\$ -	\$ -
501-1K	4	-	-	-	-	-	-	4	-	-	4	1	2	1	\$ 88	\$ 29	\$ -	\$ -
1K-3.3K	4	-	-	-	-	-	-	4	-	-	4	1	2	1	\$ 88	\$ 29	\$ -	\$ -
3.3K-10K	2	-	-	-	-	-	-	2	-	-	2	1	1	0	\$ 44	\$ 15	\$ -	\$ -
10K-25K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
25K-50K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
50K-75K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
75K-100K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
100K-500K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	35	-	-	-	-	-	-	35	-	-	35	12	18	6	\$ 766	\$ 255	\$ -	\$ -
Grand Total																		
Size Category	Number of Systems	Monitoring Events by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	704	-	-	-	22	-	-	33	-	-	33	11	17	6	\$ 723	\$ 241	\$ -	\$ -
101-500	713	-	-	-	21	-	-	61	-	-	61	20	31	10	\$ 1,336	\$ 445	\$ -	\$ -
501-1K	192	-	-	-	6	-	-	25	-	-	25	8	13	4	\$ 547	\$ 182	\$ -	\$ -
1K-3.3K	185	-	-	-	4	-	-	47	-	-	47	16	24	8	\$ 1,029	\$ 343	\$ -	\$ -
3.3K-10K	122	-	68	2	-	-	2	50	-	-	52	17	26	9	\$ 1,139	\$ 380	\$ -	\$ -
10K-25K	48	-	20	1	-	-	1	26	-	-	27	9	14	5	\$ 591	\$ 197	\$ -	\$ -
25K-50K	24	-	8	-	-	-	1	15	-	-	16	5	8	3	\$ 350	\$ 117	\$ -	\$ -
50K-75K	76	5	60	-	-	60	-	11	60	-	71	24	36	12	\$ 1,555	\$ 518	\$ -	\$ -
75K-100K	30	1	26	-	-	26	-	3	26	-	29	10	15	5	\$ 635	\$ 212	\$ -	\$ -
100K-500K	90	2	79	-	-	79	-	9	79	-	88	29	44	15	\$ 1,927	\$ 642	\$ -	\$ -
500K-1M	7	-	4	-	-	4	-	3	4	-	7	2	4	1	\$ 153	\$ 51	\$ -	\$ -
> 1M	3	-	2	-	-	2	-	1	2	-	3	1	2	1	\$ 66	\$ 22	\$ -	\$ -
Total	2,194	8	267	3	53	171	4	284	171	-	459	153	230	77	\$ 10,050	\$ 3,350	\$ -	\$ -

Exhibit 57 - Review of Annual Lead Service Line Replacement Letter - Burden and Cost

Totals																		
Size Category	Number of Systems	Reviews by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Reviews	Annual Reviews	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
		≤100	947	947	947	947	947	947	947	947	947	947	2,841	947	1,421	474	\$ 62,207	\$ 20,736
101-500	959	959	959	959	959	959	959	959	959	959	2,877	959	1,439	480	\$ 62,995	\$ 20,998	\$ -	\$ -
501-1K	246	246	246	246	246	246	246	246	246	246	738	246	369	123	\$ 16,159	\$ 5,386	\$ -	\$ -
1K-3.3K	237	237	237	237	237	237	237	237	237	237	711	237	356	119	\$ 15,568	\$ 5,189	\$ -	\$ -
3.3K-10K	133	133	133	133	133	133	133	133	133	133	399	133	200	67	\$ 8,737	\$ 2,912	\$ -	\$ -
10K-25K	40	40	40	40	40	40	40	40	40	40	120	40	60	20	\$ 2,628	\$ 876	\$ -	\$ -
25K-50K	16	16	16	16	16	16	16	16	16	16	48	16	24	8	\$ 1,051	\$ 350	\$ -	\$ -
50K-75K	10	10	10	10	10	10	10	10	10	10	30	10	15	5	\$ 657	\$ 219	\$ -	\$ -
75K-100K	2	2	2	2	2	2	2	2	2	2	6	2	3	1	\$ 131	\$ 44	\$ -	\$ -
100K-500K	2	2	2	2	2	2	2	2	2	2	6	2	3	1	\$ 131	\$ 44	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	2,592	2,592	2,592	2,592	2,592	2,592	2,592	2,592	2,592	2,592	7,776	2,592	3,888	1,296	\$ 170,263	\$ 56,754	\$ -	\$ -

Exhibit 58 - Review Partial Lead Service Line Replacement Letter - Burden and Cost

Totals																		
Size Category	Number of Systems	Reviews by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Reviews	Annual Reviews	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
		≤100	710	6,392	6,392	6,392	6,392	6,392	6,392	6,392	6,392	6,392	19,177	6,392	9,588	3,196	\$ 419,894	\$ 139,965
101-500	719	6,473	6,473	6,473	6,473	6,473	6,473	6,473	6,473	6,473	19,420	6,473	9,710	3,237	\$ 425,215	\$ 141,738	\$ -	\$ -
501-1K	185	1,661	1,661	1,661	1,661	1,661	1,661	1,661	1,661	1,661	4,982	1,661	2,491	830	\$ 109,075	\$ 36,358	\$ -	\$ -
1K-3.3K	178	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	4,799	1,600	2,400	800	\$ 105,084	\$ 35,028	\$ -	\$ -
3.3K-10K	100	898	898	898	898	898	898	898	898	898	2,693	898	1,347	449	\$ 58,971	\$ 19,657	\$ -	\$ -
10K-25K	30	270	270	270	270	270	270	270	270	270	810	270	405	135	\$ 17,736	\$ 5,912	\$ -	\$ -
25K-50K	12	108	108	108	108	108	108	108	108	108	324	108	162	54	\$ 7,094	\$ 2,365	\$ -	\$ -
50K-75K	8	68	68	68	68	68	68	68	68	68	203	68	101	34	\$ 4,434	\$ 1,478	\$ -	\$ -
75K-100K	2	14	14	14	14	14	14	14	14	14	41	14	20	7	\$ 887	\$ 296	\$ -	\$ -
100K-500K	2	14	14	14	14	14	14	14	14	14	41	14	20	7	\$ 887	\$ 296	\$ -	\$ -
500K-1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
> 1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	1,944	17,496	17,496	17,496	17,496	17,496	17,496	17,496	17,496	17,496	52,488	17,496	26,244	8,748	\$ 1,149,277	\$ 383,092	\$ -	\$ -

Exhibit 59 - Review of Public Education Compliance Letter - Burden and Cost

Totals																		
Size Category	Number of Systems	Reviews by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Reviews	Annual Reviews	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
		≤100	516	516	516	516	516	516	516	516	516	516	1,548	516	774	258	\$ 33,895	\$ 11,298
101-500	500	500	500	500	500	500	500	500	500	500	1,500	500	750	250	\$ 32,844	\$ 10,948	\$ -	\$ -
501-1K	137	137	137	137	137	137	137	137	137	137	411	137	206	69	\$ 8,999	\$ 3,000	\$ -	\$ -
1K-3.3K	159	159	159	159	159	159	159	159	159	159	477	159	239	80	\$ 10,444	\$ 3,481	\$ -	\$ -
3.3K-10K	113	113	113	113	113	113	113	113	113	113	339	113	170	57	\$ 7,423	\$ 2,474	\$ -	\$ -
10K-25K	48	48	48	48	48	48	48	48	48	48	144	48	72	24	\$ 3,153	\$ 1,051	\$ -	\$ -
25K-50K	24	24	24	24	24	24	24	24	24	24	72	24	36	12	\$ 1,577	\$ 526	\$ -	\$ -
50K-75K	17	17	17	17	17	17	17	17	17	17	51	17	26	9	\$ 1,117	\$ 372	\$ -	\$ -
75K-100K	4	4	4	4	4	4	4	4	4	4	12	4	6	2	\$ 263	\$ 88	\$ -	\$ -
100K-500K	11	11	11	11	11	11	11	11	11	11	33	11	17	6	\$ 723	\$ 241	\$ -	\$ -
500K-1M	3	3	3	3	3	3	3	3	3	3	9	3	5	2	\$ 197	\$ 66	\$ -	\$ -
> 1M	1	1	1	1	1	1	1	1	1	1	3	1	2	1	\$ 66	\$ 22	\$ -	\$ -
Total	1,533	1,533	1,533	1,533	1,533	1,533	1,533	1,533	1,533	1,533	4,599	1,533	2,300	767	\$ 100,700	\$ 33,567	\$ -	\$ -

Exhibit 60 - Employ Corrosion Control Expert - Burden and Cost

Totals																
FTEs	Number of States	Hours by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)					
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	\$ 4,372,193	\$ 1,457,398
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	\$ 3,825,669	\$ 1,275,223	\$ -	\$ -
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	\$ 4,508,824	\$ 1,502,941	\$ -	\$ -
Total	57	96,720	96,720	96,720	96,720	96,720	96,720	96,720	96,720	96,720	290,160	96,720	\$ 12,706,687	\$ 4,235,562	\$ -	\$ -

Exhibit 61 - Review of Public Education and Notification Activities Due to STR - Burden and Cost

Totals																		
Size Category	Number of Systems	Reviews by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)							
		2008	2009	2010	2011	2012	2013	2014	2015	2016	Total Reviews	Annual Reviews	Total Burden	Annual Burden	Total Labor Cost	Annual Labor Cost	Total O&M Cost	Annual O&M Cost
≤100	516	516	516	516	516	516	516	516	516	516	1,548	516	3,607	1,202	\$ 157,951	\$ 52,650	\$ -	\$ -
101-500	500	500	500	500	500	500	500	500	500	500	1,500	500	3,495	1,165	\$ 153,053	\$ 51,018	\$ -	\$ -
501-1K	137	137	137	137	137	137	137	137	137	137	411	137	958	319	\$ 41,937	\$ 13,979	\$ -	\$ -
1K-3.3K	159	159	159	159	159	159	159	159	159	159	477	159	1,111	370	\$ 48,671	\$ 16,224	\$ -	\$ -
3.3K-10K	113	113	113	113	113	113	113	113	113	113	339	113	790	263	\$ 34,590	\$ 11,530	\$ -	\$ -
10K-25K	48	48	48	48	48	48	48	48	48	48	144	48	336	112	\$ 14,693	\$ 4,898	\$ -	\$ -
25K-50K	24	24	24	24	24	24	24	24	24	24	72	24	168	56	\$ 7,347	\$ 2,449	\$ -	\$ -
50K-75K	17	17	17	17	17	17	17	17	17	17	51	17	119	40	\$ 5,204	\$ 1,735	\$ -	\$ -
75K-100K	4	4	4	4	4	4	4	4	4	4	12	4	28	9	\$ 1,224	\$ 408	\$ -	\$ -
100K-500K	11	11	11	11	11	11	11	11	11	11	33	11	77	26	\$ 3,367	\$ 1,122	\$ -	\$ -
500K-1M	3	3	3	3	3	3	3	3	3	3	9	3	21	7	\$ 918	\$ 306	\$ -	\$ -
> 1M	1	1	1	1	1	1	1	1	1	1	3	1	7	2	\$ 306	\$ 102	\$ -	\$ -
Total	1,533	1,533	1,533	1,533	1,533	1,533	1,533	1,533	1,533	1,533	4,599	1,533	10,716	3,572	\$ 469,261	\$ 156,420	\$ -	\$ -

Exhibit 62 - State Burden and Cost Summary

Review Totals																		
Size Category	Number of Systems	Reporting Events by Year (Representing 9-Year Compliance Cycle)										Summary of Burden and Cost for ICR Period (2012-2014)						
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	21,462	39,201	26,452	24,554	39,210	26,452	26,700	42,021	26,452	24,554	95,207	31,736	115,712	38,571	\$ 5,067,264	\$ 1,689,088	\$ 6,443	\$ 2,148
101-500	22,621	43,438	29,447	27,348	43,448	29,447	29,610	46,539	29,447	27,348	105,657	35,219	127,568	42,523	\$ 5,586,468	\$ 1,862,156	\$ 7,695	\$ 2,565
501-1K	7,381	13,460	8,822	8,109	13,463	8,822	8,847	14,494	8,822	8,109	32,188	10,729	38,444	12,815	\$ 1,683,544	\$ 561,181	\$ 2,409	\$ 803
1K-3.3K	9,060	16,148	10,198	9,262	16,151	10,198	10,168	17,483	10,198	9,262	37,896	12,632	44,510	14,837	\$ 1,949,174	\$ 649,725	\$ 2,842	\$ 947
3.3K-10K	5,014	5,659	5,036	10,644	5,659	4,975	10,642	5,659	4,975	10,642	21,328	7,109	26,704	8,901	\$ 1,169,422	\$ 389,807	\$ 1,393	\$ 464
10K-25K	2,239	2,334	2,043	4,570	2,334	2,023	4,569	2,334	2,023	4,569	8,953	2,984	11,655	3,885	\$ 510,417	\$ 170,139	\$ 606	\$ 202
25K-50K	1,019	1,068	936	2,087	1,068	928	2,087	1,068	928	2,087	4,099	1,366	5,465	1,822	\$ 239,310	\$ 79,770	\$ 282	\$ 94
50K-75K	374	435	1,014	430	430	1,014	430	430	1,014	430	1,922	641	2,703	901	\$ 118,354	\$ 39,451	\$ 126	\$ 42
75K-100K	171	139	407	138	138	407	138	138	407	138	703	234	927	309	\$ 40,604	\$ 13,535	\$ 48	\$ 16
100K-500K	358	293	854	291	291	854	291	291	854	291	1,503	501	2,117	706	\$ 92,716	\$ 30,905	\$ 105	\$ 35
500K-1M	35	47	100	47	47	100	47	47	100	47	200	67	354	118	\$ 15,496	\$ 5,165	\$ 15	\$ 5
> 1M	21	20	52	20	20	52	20	20	52	20	96	32	153	51	\$ 6,687	\$ 2,229	\$ 7	\$ 2
Total	69,755	122,241	85,360	87,501	122,258	85,271	93,550	130,525	85,271	87,498	309,750	103,250	376,312	125,437	\$ 16,479,457	\$ 5,493,152	\$ 21,971	\$ 7,324

Employ Corrosion Control Expert Totals																
FTEs	Number of States	Hours by Year (Representing 9-Year Compliance Cycle)									Summary of Burden and Cost for ICR Period (2012-2014)					
		2008	2009	2010	2011	2012	2013	2014	2015	2016	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	\$ 4,372,193	\$ 1,457,398	\$ -	\$ -
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	\$ 3,825,669	\$ 1,275,223	\$ -	\$ -
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	\$ 4,508,824	\$ 1,502,941	\$ -	\$ -
Total	57	96,720	96,720	96,720	96,720	96,720	96,720	96,720	96,720	96,720	290,160	96,720	\$ 12,706,687	\$ 4,235,562	\$ -	\$ -

PWS											State									
Rule Component	Exhibit 63a - Summary of Monitoring, Burden, and Cost for ICR Period (Jan. 2012 - Dec. 2014)										Exhibit 63b - Summary of Burden and Cost for ICR Period (Jan. 2012 - Dec. 2014)									
	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	787,285	262,428	1,100,419	366,806	35,635,974	11,878,658			\$ 1,538,609	\$ 512,870										
State Review and Recordkeeping											309,750	103,250	376,312	125,437	\$ 16,479,457	\$ 5,493,152			\$ 21,971	\$ 7,324
State - Corrosion Control Experts													290,160	96,720	12,706,687	4,235,562			\$ -	\$ -
Public Education	4,599	1,533	284,731	94,910	\$ 148,934	\$ 49,645			\$ 2,264	\$ 755										
Reporting	204,005	68,002	319,079	106,360	12,464,635	4,154,878			84,319	28,106										
Source Water	459	159	1,911	646	\$ 61,891	\$ 20,914			\$ 8,768	\$ 2,963										
Tap Sampling	87,763	29,254	3,133,680	1,044,560	\$ 101,481,093	\$ 33,827,031			\$ 5,391,329	\$ 1,797,110										
Water Quality Parameter Sampling	161,638	53,879	167,768	55,923	\$ 5,432,998	\$ 1,810,999			\$ 6,251,525	\$ 2,083,842										
Total LCR	1,245,749	415,256	5,007,588	1,669,205	\$ 155,225,525	\$ 51,742,125			\$ 13,276,815	\$ 4,425,645	309,750	103,250	666,472	222,157	\$ 29,186,144	\$ 9,728,715			\$ 21,971	\$ 7,324

**Exhibit 64 - Lead and Copper Rule - Summary of Original and Revised
Burden Estimates**

No changes in burden estimates based on August 2011 consultations.