

Table 1. Grand Total Average 2010-2012 12/17/09

Cost Element	Labor Hours	Labor Costs	Non-labor O & M	Equip/ Contract \$	Total Cost
1. Network Design	1,155	\$28,155	\$0	\$0	\$28,155
2. Site Installation	960	\$38,132	\$393,320	\$118,364	\$549,816
3. Sampling & Analysis	8,763	\$436,522	\$166,621	\$174,760	\$777,903
4. Maintenance	1,493	\$70,990	\$32,564	\$0	\$103,554
5. Data Management	4,768	\$234,223	\$0	\$0	\$234,223
6. Quality Assurance	2,185	\$104,199	\$0	\$37,459	\$141,658
7. Supervision	227	\$13,956	\$0	\$0	\$13,956
Totals	19,551	\$926,176	\$592,505	\$330,583	\$1,849,264

Table 2.2, 2011 Pb Monitoring Costs

12/17/09

Cost/Element	Previous Amortized Hours and Costs				New Site Hours and Costs for Pb				Summary Pb							
	# Old Sites	Hours/ Site	Years Amor.	Cost/ Site	Total Amor. Hours	Total Amor. Cost	# New Sites	Hours/ Site	Years Amor.	Cost/ Site	Total Amor. Hours	Total Amor. Cost	# Old Plus New	Labor Hours	Non-labor O & M	Equip/ Contract \$
1. Network Design																
Network design (reporting org)	0	30	1	\$939	0	\$0	0	0	30	1	\$939	0	0	0	\$0	\$0
Site selection (reporting org)	0	8	1	\$497	0	\$0	0	0	8	1	\$497	0	0	0	\$0	\$0
Element #1 totals					0	\$0						0	0	0	\$0	\$0
2. Site Installation																
High volume sampler	60		7	\$2,302	0	\$19,731	0	0		7	\$2,256	0	60		\$19,731	
Audit calibration kit	60		7	\$144	0	\$1,233	0	0		7	\$141	0	60		\$1,233	
Procurement	60	8	1	\$331	480	\$19,889	0	0	8	1	\$325	0	60	480	\$19,889	
Equipment installation	60	8	1	\$304	480	\$18,232	0	0	8	1	\$298	0	60	480	\$18,232	
Element #2 totals					960	\$59,066						0	960	388,121		\$20,965
3. Sampling and Analysis																
Supplies	60		1	\$173		\$10,359	80			1	\$173		140		\$24,171	
Filters	60		1	\$173		\$10,359	80			1	\$173		140		\$24,171	
Laboratory services (contract)	60	90	1	\$1,853	5,400	\$111,187	80	90		1	\$1,853	7,200	140			\$259,435
Routine site visits	60	90	1	\$4,273	5,400	\$256,362	80	90		1	\$4,273	7,200	140	12,600	\$598,178	\$48,342
Element #3 totals													140	12,600	\$598,178	\$48,342
4. Maintenance																
Spare parts/supplies	60		1	\$345		\$20,718	80			1	\$345		140		\$48,342	
Remedial repairs	60	8	1	\$376	480	\$22,583	80	8		1	\$376	640	140	1,120	\$52,693	
Routine maintenance	60	8	1	\$376	480	\$22,583	80	8		1	\$376	640	140	1,120	\$52,693	
Element #4 totals													140	2,240	\$105,386	\$48,342
5. Data Management																
Data acquisition/processing	60	8	1	\$203	480	\$12,155	80	8		1	\$203	640	140	1,120	\$28,361	
Data reporting	60	4	1	\$227	240	\$13,605	80	4		1	\$227	320	140	560	\$31,745	
Data validation	60	12	1	\$680	720	\$40,814	80	12		1	\$680	960	140	1,680	\$95,234	
Data distribution	60	1	1	\$56	60	\$3,384	80	1		1	\$56	80	140	140	\$7,896	
Element #5 totals													3,500	3,500	\$163,235	
6. Quality Assurance																
Audits	60	12	1	\$483	720	\$29,005	80	12		1	\$483	960	140	1,680	\$67,679	
Coordination/implementation	60	4	1	\$218	240	\$13,052	80	4		1	\$218	320	140	560	\$30,455	
Training	60	4	1	\$188	240	\$11,257	80	4		1	\$188	320	140	560	\$26,265	
QA plan review (annual) RO	60	1	1	\$55	30	\$3,317	80	1		1	\$55	40	140	70	\$7,740	
QA plan preparation (RO)	60	12	5	\$667	144	\$8,000	80	12	5	\$667	192	\$10,666	140	336	\$18,666	
Element #6 totals													3,206	3,206	\$150,806	
7. Supervision																
Planning/coordination	60	4	5	\$247	48	\$2,961	80	4		5	\$247	64	60	112	\$6,909	
Supervisor/review	60	6	5	\$369	72	\$4,427	80	6		5	\$369	96	60	168	\$10,331	
Element #7 totals													280	280	\$17,240	
Summary of Burdens and Costs					960	\$59,098							22,786	\$1,072,964	\$98,684	\$280,400
Summary Totals																\$1,450,049

Table 2.3, 2012 Pb Monitoring Costs

12/17/09

Cost Element	Previous Amortized Hours and Costs						New Site Hours and Costs for Pb						Summary Pb				
	# Old Sites	Hours/ Site	Years Amor.	Cost/ Site	Total Amor. Hours	Total Amor. Cost	# New Sites	Hours/ Site	Years Amor.	Cost/ Site	Total Amor. Hours	Total Amor. Cost	# Old Plus New	Labor Hours	Labor Costs	Non-labor O & M	Equip/ Contract \$
1. Network Design	0	30	1	\$959	0	\$0							0	0	\$0	\$0	\$0
Network design (reporting org)	0	8	1	\$508	0	\$0							0	0	\$0	\$0	\$0
Site selection (reporting org)	0	8	1	\$508	0	\$0							0	0	\$0	\$0	\$0
Element #1 totals					0	\$0							0	0	\$0	\$0	\$0
2. Site Installation	60		7	\$2,350		\$20,143							60				\$20,143
High volume sampler	60		7	\$147		\$1,258							60				\$1,258
Audit calibration kit	60		7	\$147		\$1,258							60				\$1,258
Procurement	60	8	1	\$338	480	\$20,304							60	480	\$20,304		
Equipment installation	60	8	1	\$310	480	\$18,612							60	480	\$18,612		
Element #2 totals					960	\$60,318							960		\$38,916		\$21,402
3. Sampling and Analysis	140		1	\$176		\$24,675							140			\$24,675	
Supplies	140		1	\$176		\$24,675							140			\$24,675	
Filters	140		1	\$176		\$24,675							140			\$24,675	
Laboratory services (contract)	140	90	1	\$1,892	12,600	\$264,845							140	12,600	\$607,072		\$264,845
Routine site visits	140	90	1	\$4,336	12,600	\$607,072							140	12,600	\$607,072		\$264,845
Element #3 totals													140	12,600	\$607,072	\$49,350	\$264,845
4. Maintenance	140		1	\$353		\$49,350							140			\$49,350	
Spare parts/supplies	140		1	\$353		\$49,350							140			\$49,350	
Remedial repairs	140	8	1	\$384	1,120	\$53,792							140	1,120	\$53,792		
Routine maintenance	140	8	1	\$384	1,120	\$53,792							140	1,120	\$53,792		
Element #4 totals													140	2,240	\$107,583	\$49,350	
5. Data Management	140		8	\$207		\$28,952							140			\$28,952	
Data acquisition/processing	140		8	\$207		\$28,952							140			\$28,952	
Data reporting	140	4	1	\$231	560	\$32,407							140	560	\$32,407		
Data validation	140	12	1	\$694	1,680	\$97,220							140	1,680	\$97,220		
Data distribution	140	1	1	\$58	140	\$8,061							140	140	\$8,061		
Element #5 totals													140	3,500	\$166,639		
6. Quality Assurance	140		12	\$494		\$69,090							140			\$69,090	
Audits	140		12	\$494		\$69,090							140			\$69,090	
Coordination/implementation	140	4	1	\$222	560	\$31,091							140	560	\$31,091		
Training	140	4	1	\$188	560	\$26,266							140	560	\$26,266		
QA plan review (annual) RO	140	1	1	\$56	70	\$7,901							140	70	\$7,901		
QA plan preparation (RO)	140	12	5	\$694	336	\$19,444							140	336	\$19,444		
Element #6 totals													140	3,206	\$153,791		
7. Supervision	140		4	\$247		\$6,909							140			\$6,909	
Planning/coordination	140		4	\$247		\$6,909							140			\$6,909	
Supervision/review	140	6	5	\$369	168	\$10,331							140	168	\$10,331		
Element #7 totals													140	280	\$17,240		
Summary of Burdens and Costs					960	\$60,318							22,786	\$1,091,240	\$98,700	\$286,247	
Summary Totals																	\$1,476,187

Table 3, Summary of General Network 2010-2012 Monitoring Costs

Cost Element	2007				2008				2009				Average 2007-2009 General Network				
	Summary, General Network		Summary, General Network		Summary, General Network		Summary, General Network		Summary, General Network		Summary, General Network		Summary, General Network		Summary, General Network		
	Labor Hours	Labor Costs	Equip/Contract \$	Non-labor O & M	Labor Hours	Labor Costs	Equip/Contract \$	Non-labor O & M	Labor Hours	Labor Costs	Equip/Contract \$	Non-labor O & M	Labor Hours	Labor Costs	Equip/Contract \$	Non-labor O & M	
1. Network Design																	
Network design study (see pollutant site selection (see pollutant))																	
Travel other than monitoring site	508	\$0	\$0		677	\$0	\$0		0	\$0	\$0		395	\$0	\$0		\$0
Additional indirect cost adj (\$2/hour)																	
Element #1 totals	508	\$0	\$0	\$203,040	677	\$0	\$0	\$483,420	0	\$0	\$0	\$493,500	395	\$0	\$0	\$393,320	\$84,283
2. Site Installation																	
Site preparation			\$43,509				\$103,590				\$103,590				\$103,590		\$84,283
Power drop			\$6,768				\$18,114				\$18,114				\$18,114		\$13,111
Land/lease				\$203,040				\$483,420				\$493,500				\$393,320	
Rent			\$0				\$0				\$0				\$0		\$0
Element #2 totals			\$50,277	\$203,040			\$119,704	\$483,420			\$122,200	\$493,500			\$122,200	\$393,320	\$97,394
3. Sampling and Analysis																	
Utilities				\$67,680				\$161,140				\$164,500				\$131,107	
Vehicle				\$1,523				\$3,628				\$3,701				\$2,950	
Travel time to sites	192	\$18,409			448	\$42,954		\$42,954	448	\$42,954		\$42,954	448	\$42,954		\$34,772	
Element #3 totals	192	\$18,409	\$69,203	\$69,203	448	\$42,954	\$164,766	\$164,766	448	\$42,954	\$168,201	\$168,201	448	\$42,954	\$168,201	\$134,057	
4. Maintenance																	
Element #4 totals																	
5. Data Management																	
Analysis and trends (rep org)	1,289	\$64,148			3,007	\$152,731			3,007	\$155,915			2,434	\$124,265			
Element #5 totals	1,289	\$64,148			3,007	\$152,731			3,007	\$155,915			2,434	\$124,265			
6. Quality Assurance																	
Miscellaneous equipment			\$19,337				\$46,040				\$46,040				\$47,000		\$37,459
Element #6 totals			\$19,337				\$46,040				\$46,040				\$47,000		\$37,459
7. Supervision																	
Element #7 totals																	
Summary of Burdens and Costs	1,989	\$82,557	\$272,243	\$69,614	4,133	\$195,685	\$648,186	\$165,744	3,455	\$198,870	\$661,701	\$661,701	3,192	\$169,037	\$627,377	\$154,853	
Summary Totals			\$424,414				\$1,009,615				\$1,029,771				\$1,029,771		\$821,266

Table 3.1, 2010 General Network Monitoring Costs

12/17/09

Cost Element	Previous Amortized Hours and Costs						New Site Hours and Costs for General Network						Summary, General Network					
	# Old Sites	Hours/ Site	Years Amor.	Cost/ Site	Total Amor. Hours	Total Amor. Cost	# New Sites	Hours/ Site	Years Amor.	Cost/ Site	Total Amor. Hours	Total Amor. Cost	# Old Plus New	Hours	O & M	Labor Hours	Non-labor O & M	Equip/ Contract \$
1. Network Design																		
Network design study (see pollutant)																		
Site selection (see pollutant)																		
Travel other than monitoring site																		
Additional indirect cost adj. (\$2/hour)																		
Element #1 totals					0	\$0	60						60	508		508	\$0	\$0
2. Site Installation																		
Site preparation			7	\$5,076		\$0	60						60					\$43,509
Power drop			7	\$790		\$0	60						60					\$6,768
Land/lease				\$3,384		\$0	60						60					\$203,040
Rent						\$0	60						60					\$0
Element #2 totals						\$0												\$203,040
3. Sampling and Analysis																		
Utilities				\$1,128		\$0	60						60					\$67,680
Vehicle				\$25		\$0	60						60					\$1,523
Travel time to sites					0	\$0	60						60			192	\$18,409	
Element #3 totals					0	\$0								192		192	\$18,409	\$69,203
4. Maintenance																		
Element #4 totals																		
5. Data Management																		
Analysis and trends (rep org)		21		\$1,069	0	\$0	60	21					60					\$64,148
Element #5 totals					0	\$0								1,289				\$64,148
6. Quality Assurance																		
Miscellaneous equipment			7	\$2,256		\$0	60						60					\$19,337
Element #6 totals						\$0												\$19,337
7. Supervision																		
Element #7 totals																		
Summary of Burdens and Costs					0	\$0					1,481	\$424,414		1,989		\$82,557	\$272,243	\$69,614
Summary Totals														1,481				\$424,414

Table 3.2, 2011 General Network Monitoring Costs

12/17/09

Cost Element	Previous Amortized Hours and Costs					New Site Hours and Costs for General Network					Summary, General Network									
	# Old Sites	Hours/ Site	Years Amor.	Cost/ Site	Total Amor. Hours	Total Amor. Cost	# New Sites	Hours/ Site	Years Amor.	Cost/ Site	Total Amor. Hours	Total Amor. Cost	# Old Plus New	Hours	O & M	Labor Hours	Labor Costs	Non-labor O & M	Equip/ Contract \$	
1. Network Design																				
Network design study (see pollutant site selection (see pollutant))																				
Travel other than monitoring site	60					\$0	80							677			\$0			\$0
Additional indirect cost adj. (\$2/hour)					0	\$0								677			\$0			\$0
Element #1 totals																				
2. Site Installation																				
Site preparation	60		7	\$5,180		\$44,396	80						140							\$103,590
Power drop	60		7	\$806		\$6,906	80						140							\$16,114
Land/lease	60			\$3,453		\$207,180	80						140							\$483,420
Rent	60					\$0	80						140							\$0
Element #2 totals						\$258,482						\$944,642								\$119,704
3. Sampling and Analysis																				
Utilities	60			\$1,151		\$69,060	80						140							\$161,140
Vehicle	60			\$26		\$1,554	80						140							\$3,626
Travel time to sites	60				192	\$18,409	80						140							\$42,954
Element #3 totals					192	\$89,023								448						\$164,766
4. Maintenance																				
Element #4 totals																				
5. Data Management																				
Analysis and trends (rep org)	60	21		\$1,091	1,289	\$65,456	80	21		\$1,091	1,718	\$87,275	140							\$152,731
Element #5 totals					1,289	\$65,456					1,718	\$87,275		3,007						\$152,731
6. Quality Assurance																				
Miscellaneous equipment	60		7	\$2,302		\$19,731	80						140							\$46,040
Element #6 totals						\$19,731														\$46,040
7. Supervision																				
Element #7 totals																				
Summary of Burdens and Costs					1,481	\$432,692					1,974	\$576,923		4,133			\$195,685			\$648,186
Summary Totals														3,455						\$1,009,615

Table 3.3, 2012 General Network Monitoring Costs

12/17/09

Cost Element	Previous Amortized Hours and Costs					New Site Hours and Costs for General Network					Summary, General Network						
	# Old Sites	Hours/ Site	Years Amor.	Cost/ Site	Total Amor. Hours	Total Amor. Cost	# New Sites	Hours/ Site	Years Amor.	Cost/ Site	Total Amor. Hours	Total Amor. Cost	# Old Plus New	Hours	Labor Costs	Non-labor O & M	Equip/ Contract \$
1. Network Design Network design study (see pollutant site selection (see pollutant))	140				0	\$0	0				0	\$0	140	0	\$0		\$0
Travel other than monitoring site Additional indirect cost adj (\$2/hour)																	
Element #1 totals					0	\$0											
2. Site Installation																	
Site preparation	140		7	\$5,288		\$105,750	0					\$0	140				\$105,750
Power drop	140		7	\$823		\$16,450	0					\$0	140				\$16,450
Land/lease	140			\$3,525		\$493,500	0					\$0	140			\$493,500	
Rent	140					\$0	0					\$0	140				\$0
Element #2 totals						\$615,700						\$0				\$493,500	\$122,200
3. Sampling and Analysis																	
Utilities	140			\$1,175		\$164,500	0					\$0	140			\$164,500	
Vehicle	140			\$26		\$3,701	0					\$0	140			\$3,701	
Travel time to sites	140					\$42,954	0					\$0	140	448	\$42,954		
Element #3 totals						\$211,155						\$0		448	\$42,954	\$168,201	
4. Maintenance																	
Element #4 totals																	
5. Data Management Analysis and trends (rep org)	140	21		\$1,114	3,007	\$155,915	0	21		\$1,114	0	\$0	140	3,007	\$155,915		
Element #5 totals					3,007	\$155,915					0	\$0		3,007	\$155,915		
6. Quality Assurance Miscellaneous equipment	140		7	\$2,350		\$47,000	0					\$0	140				\$47,000
Element #6 totals						\$47,000						\$0					\$47,000
7. Supervision																	
Element #7 totals																	
Summary of Burdens and Costs					3,455	\$1,029,771					0	\$0		3,455	\$198,870	\$661,701	\$169,200
Summary Totals														3,455			\$1,029,771

Table 4. Summary All Items for 2007-2009 Monitoring Burden and Costs

12/17/09

Cost Element	Average 2010-2012 Pb				Average 2010-2012 General Network				Total Cost
	Labor Hours	Labor Costs	Non-labor O & M	Equip/Contract \$	Labor Hours	Labor Costs	Non-labor O & M	Equip/Contract \$	
1. Network Design	760	\$28,155			395	\$0		\$0	\$0
2. Site Installation	960	\$38,132		\$20,971				\$97,394	\$490,714
3. Sampling & Analysis	8,400	\$401,750	\$32,564	\$174,760	363	\$34,772	\$134,057		\$168,829
4. Maintenance	1,493	\$70,990	\$32,564						\$0
5. Data Management	2,333	\$109,958			2,434	\$124,265			\$124,265
6. Quality Assurance	2,185	\$104,199						\$37,459	\$37,459
7. Supervision	227	\$13,956							\$0
Totals	16,359	\$767,139	\$65,128	\$195,731	3,192	\$159,037	\$527,377	\$134,853	\$821,266

Table 5, Total EPA Burdens And Costs for CY-2010

December 17, 2009

Item	EPA Regional Offices		EPA OAQPS				Total EPA	
	Hours	Costs	ITPID		AQAD		Hours	Costs
			Hours	Costs	Hours	Costs		
1. NAMS/SLAMS/PAMS oversight (includes site visits, annual network review)	500	\$27,500	0	0	300	\$16,500	800	\$44,000
2. QA audits (includes perf. audits NPAP, & systems audits)	300	\$16,500	0	0	0	0	300	\$16,500
3. Regional monitoring meeting with States	50	\$2,750	0	0	0	0	50	\$2,750
4. National or regional monitoring meetings	10	\$550	0	0	0	0	10	\$550
5. 105 Grant activities	200	\$11,000	0	0	0	0	200	\$11,000
7. Other items	50	\$2,750	0	0	0	0	50	\$2,750
8. Methods development in support regulatory program, and reference and equivalent activities (See footnote)	0	\$0	0	0	0	0	0	\$0
9. In-house burdens for AIRS/AQS (includes AIRS Exec, AIRS TTN Web/Homepage, AIRS conference, training)	\$0	\$0	50	\$2,750	0	0	50	\$2,750
10. Contractor support including hot line, enhancements maintenance, training, etc.	\$0	\$0	10	\$550	0	0	10	\$550
11. Hardware/software NCC burden, national AQS costs	\$0	\$0	0	\$67,074	0	0	0	\$67,074
12. AIR NOW	\$0	\$0	0	\$32,651	0	0	0	\$32,651
13. Other (software purchased internal support	\$0	\$0	0	\$5,106	0	0	0	\$5,106
Totals	1,110	\$61,050	60	\$108,131	300	\$16,500	1,470	\$185,681

Method development and reference and equivalent activities covered under another ICR (OMB # 2080.0005, EPA # 0559.08 for 4,718 hours and \$101,000.