

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 2.3, 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	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																	
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	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																	
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	\$384	1,120	\$53,792							140	1,120	\$53,792		
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	1,120	\$28,952							140	1,120	\$28,952		
Data acquisition/processing	140	4	1	\$231	560	\$32,407							140	560	\$32,407		
Data reporting	140	12	1	\$694	1,680	\$97,220							140	1,680	\$97,220		
Data validation	140	1	1	\$58	140	\$8,061							140	140	\$8,061		
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	1,680	\$69,090							140	1,680	\$69,090		
Audits	140	4	1	\$222	560	\$31,091							140	560	\$31,091		
Coordination/implementation	140	4	1	\$188	560	\$26,266							140	560	\$26,266		
Training	140	1	1	\$56	70	\$7,901							140	70	\$7,901		
QA plan review (annual) RO	140	12	5	\$694	336	\$19,444							140	336	\$19,444		
QA plan preparation (RO)	140	4	1	\$56	70	\$7,901							140	70	\$7,901		
Element #6 totals													140	3,206	\$153,791		
7. Supervision	140		4	\$247	112	\$6,909							140	112	\$6,909		
Planning/coordination	140	6	5	\$369	168	\$10,331							140	168	\$10,331		
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			
	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	
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
2. Site Installation																
Site preparation			\$43,509				\$103,590				\$105,750				\$84,283	
Power drop			\$6,768				\$18,114				\$16,450				\$13,111	
Land/lease				\$203,040				\$483,420				\$493,500			\$393,320	
Rent			\$0				\$0				\$0				\$0	
Element #2 totals			\$50,277	\$203,040			\$119,704	\$483,420			\$122,200	\$493,500			\$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	363	\$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	363	\$34,772	\$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				\$47,000				\$37,459	
Element #6 totals			\$19,337				\$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	\$134,853
Summary Totals			\$424,414				\$1,009,615				\$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)							60				508	\$0	60	508		508	\$0	\$0
Travel other than monitoring site																		
Additional indirect cost adj. (\$2/hour)																		
Element #1 totals					0	\$0												
2. Site Installation																		
Site preparation			7	\$5,076		\$0	60	7	\$5,076			\$43,509	60					\$43,509
Power drop			7	\$790		\$0	60	7	\$790			\$6,768	60					\$6,768
Land/lease				\$3,384		\$0	60		\$3,384			203,040	60				\$203,040	
Rent						\$0	60				0		60					\$0
Element #2 totals						\$0					\$253,317						\$203,040	\$50,277
3. Sampling and Analysis																		
Utilities				\$1,128		\$0	60		\$1,128			\$67,680	60					\$67,680
Vehicle				\$25		\$0	60		\$25			1,523	60					\$1,523
Travel time to sites					0	\$0	60					\$18,409	60		192	\$18,409		
Element #3 totals					0	\$0						\$87,612		192		\$18,409		\$69,203
Element #4 totals																		
4. Maintenance																		
5. Data Management																		
Analysis and trends (rep org)		21		\$1,069	0	\$0	60	21	\$1,069	1,289	\$64,148	60			1,289	\$64,148		\$19,337
Element #5 totals					0	\$0				1,289	\$64,148				1,289	\$64,148		\$19,337
6. Quality Assurance																		
Miscellaneous equipment			7	\$2,256		\$0	60	7	\$2,256		\$19,337	60						\$19,337
Element #6 totals						\$0					\$19,337							\$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.