		Previous Amoritized Hours and Costs						New Site Hours and Costs for CO												Jan 21, 2011
		Total Total						Total Total						# Old				Summary Car	hon Monoxide	- (CO)
		# Old	Hour	s/ Years	Cost/	Amor.	Amor.	# New	Hours/	Years	Cost/	Amor.	Amor.	Plus New	Labor	Labor	Labor	Labor	Non-labor	Equip/
ا Cost Eleme	nt	Sites	Site		Site	Hours	Cost	Sites	Site	Amor.	Site	Hours	Cost	Sites	Hours	O & M	Hours	Costs	O & M	Contract \$
L. Network																				
	Network design study (RO	8	8	30	7 \$1,920	377	\$24,137										377	\$24,137	,	
	Site selection (RO)	8		8	7 \$492		\$6,189										101			
Element #1	totals					478	\$30,326										478	\$30,326	i	
2. Site Insta	allation																			
	Analyzer	31	1		7 \$11,750		\$522,036													\$522,036
	Spare analyzers	1	6		7 \$11,750		\$26,102													\$26,102
	Procurement	31	1	8	7 \$231	355	\$10,284										311	\$10,284	ı	
	Equipment installation	31	1	16	7 \$799	711	\$35,498										311	\$35,498	3	
Element #2	totals					1,066	\$593,920										622	\$45,783	3	\$548,138
3. Supplies	and Site Visits																			
	Supplies													311					\$292,340	
	Routine site visits													311	37,320	\$1,862,937	37,320	\$1,862,937	,	
Element #3	totals														37,320	\$1,862,937	37,320	\$1,862,937	\$292,340	
4. Maintena	ınce																			
	Spare parts/supplies													311					\$365,425	
	Remedial repairs													311	3,732	\$191,848	3,732	\$191,848	3	
	Routine maintenance													311	17,416	\$943,893	17,416	\$943,893	3	
Element #4 totals															21,148	\$1,135,741	21,148			
5 Data Man	agement																			
	Data acquistion/processing													311	4,354	\$232,410	4,354	\$232,410		
	Data reporting													311	2,799	\$159,691	2,799	\$159,691		
	Data validation													311	3,732	\$208,292	3,732	\$208,292		
	Data distribution													311	1,244	\$67,238	1,244			
Element # 5	totals														12,129	\$667,631	12,129	\$667,631		
6. Quality A	ssurance																			
1	Audits													311	11,196	\$684,441	11,196	\$684,441		
	Routine calibrations													311	8,086	\$388,081	8,086	\$388,081		
	Coordination/implementati	on												311	1,244	\$76,739	1,244	\$76,739		
	Training													311	1,555	\$87,337	1,555	\$87,337	,	
	Reporting													311	1,866	\$114,743	1,866			
	QA plan review (annual) R	0												88	44	\$2,483	44	\$2,483	3	
	QA plan preparation (RO)	8	88	15	5 \$959	264	\$16,875										264	\$16,875	5	
Element #6	totals					264	\$16,875								23,991	\$1,353,825	24,255	\$1,370,700)	
7. Supervis	ion																			
	Planning/coordination													311	3,732	\$247,758	3,732	\$247,758	В	
Supervision/review														311	9,330	\$525,847	9,330	\$525,847	,	
Element #7	totals														13,062	\$773,605	13,062	\$773,605	5	
Summary o	f Burdens and Costs					1,808	\$641,121								107,650	\$5,793,739	109,014	\$5,886,722	\$657,765	\$548,138
Summary T	otals																			\$7,092,624

^{1.175 (}percent inflation 2004 to 2012)

^{1.198 (}percent inflation 2004 to 2013)

^{1.223 (}percent inflation 2004 to 2014)

Table 4.2, 2013 CO Monitoring Costs

Jan 21, 2011 Previous Amoritized Hours and Costs New Site Hours and Costs for CO Total Total Total # Old Summary Carbon Monoxide (CO) Amor. Labor # Old Hours/ Years Cost/ Amor. Amor. # New Hours/ Cost/ Amor. Plus New Labor Labor Labor Non-labor Equip/ # Old Hours/ Years Contract \$ Sites Sites Amor. Site Hours Cost Sites Site Amor. Site Hours Cost Sites Hours O & M Hours Costs O & M Site 30 7 \$1,958 377 \$24,609 377 \$24,609 88 30 \$6,310 \$502 \$6,310 101 88 478 \$30,919 478 \$30,919 7 \$11,980 \$532,254 \$532,254 311 311 16 \$11.980 \$26,613 \$26,613 16 8 \$236 355 \$10,485 \$10,485 8 234 16 7 535 \$27,232 7 \$815 176 \$8,961 311 711 711 \$36,193 311 16 \$815 77 16 1,066 \$46,679 \$596,585 176 \$8,961 \$558,867 \$298,062 311 37,320 \$1,899,403 37,320 \$1,899,403 37,320 \$1,899,403 37,320 \$1,899,403 \$298,062 311 \$372,578 \$195,603 311 3,732 \$195,603 3,732 17,416 \$962,369 17,416 \$962,369 311 21,148 \$1,157,972 21,148 \$1,157,972 \$372,578 311 4,354 \$236,960 4,354 \$236,960 2,799 \$162,817 311 2,799 \$162,817 311 3,732 \$212,369 3,732 \$212,369 \$68,554 \$68,554 1,244 1,244 12,129 \$680,700 12,129 \$680,700 11,196 \$697,839 11,196 \$697,839 311 311 8.086 \$395,678 8,086 \$395,678 311 1,244 \$78,241 1,244 \$78,241 311 \$89,046 1,555 \$89,046 1,555 311 1.866 \$116,989 1,866 \$116,989 \$2,532 \$2,532 15 5 \$978 264 \$17,205 101 \$17,205 88 \$17,205 23,991 \$1,380,325 24,092 \$1,397,530 311 3,732 \$252,608 3,732 \$252,608 311 9,330 \$536,140 9,330 \$536,140 13,062 13,062 \$788,748 \$788,748 1,632 \$644,709 176 \$8,961 107,650 \$5,907,148 109,295 \$6,001,951 \$670,640 \$558,867 \$7,231,459

Table 4.3, 2014 C0 Monitoring Costs

		-,	o mornic	9												Jan 21, 2011				
Previous Amoritized Hours and Costs						Hours and	Costs for	СО									2012			
		Total	Total					Total	Total	# Old				Summary Car	bon Monoxide	(CO)		Summary CO		
Years	Cost/	Amor.	Amor.	# New	Hours/	Years	Cost/	Amor.	Amor.	Plus New	Labor	Labor	Labor	Labor	Non-labor	Equip/	Labor	Labor	Non-labor	
Amor.	Site	Hours	Cost	Sites	Site	Amor.	Site	Hours	Cost	Sites	Hours	O & M	Hours	Costs	O & M	Contract \$	Hours	Costs	O & M	
_																				
7	\$1,998	377	\$25,123										377	\$25,123			377	\$24,137		
7	\$512	101 478	\$6,442 \$31,565										101 478	\$6,442 \$31,565			101 478	\$6,189 \$30,326		
		4/0	Φ31,303										410	Φ31,303			410	Φ30,320		
7	\$12,230		\$543,361													\$543,361				
7	\$12,230		\$27,168													\$27,168				
7	\$241	355	\$10,704										355	\$10,704		V=1,=44	311	\$10,284		
7	\$832	711	\$36,949										711	\$36,949			311	\$35,498		
		1,066	\$618,182										1,066	\$47,653		\$570,530	622	\$45,783		
										311					\$304,282				\$292,340	
										311		\$1,939,040	37,320	\$1,939,040			37,320			
											37,320	\$1,939,040	37,320	\$1,939,040	\$304,282		37,320	\$1,862,937	\$292,340	
										311	0.700	****	0.700	****	\$380,353		0.700	****	\$365,425	
										311	3,732	\$199,685		\$199,685			3,732	\$191,848		
										311	17,416	\$982,452 \$1,182,137	17,416 21,148	\$982,452 \$1,182,137			17,416 21,148	\$943,893 \$1,135,741	\$365,425	
											21,140	Φ1,102,137	21,140	Φ1,102,137	\$300,333		21,140	Ф1,135,741	\$305,425	
										311	4,354	\$241,905	4,354	\$241,905			4,354	\$232,410		
										311	2,799	\$166,214	2,799	\$166,214			2,799	\$159,691		
										311	3,732	\$216,801	3,732	\$216,801			3,732	\$208,292		
										311	1,244	\$69,985	1,244	\$69,985			1,244	\$67,238		
											12,129	\$694,905	12,129	\$694,905			12,129	\$667,631		
										311	11,196	\$712,401	11,196	\$712,401			11,196	\$684,441		
										311	8,086	\$403,935		\$403,935			8,086	\$388,081		
										311	1,244	\$79,874	1,244	\$79,874			1,244	\$76,739		
										311	1,555	\$90,904	1,555	\$90,904			1,555	\$87,337		
										311	1,866	\$119,431	1,866	\$119,431			1,866	\$114,743		
_	***	001	ф17 FC:							88	44	\$2,585	44	\$2,585			44	\$2,483		
5	\$998	264 264	\$17,564 \$17,564								22 001	\$1,409,130	264 24,255	\$17,564 \$1,426,694			264 24,255	\$16,875 \$1,370,700		
		204	Φ11,304								23,391	φ1,409,130	24,255	φ1,420,094			24,255	φ1,370,700		
										311	3,732	\$257,879	3,732	\$257,879			3,732	\$247,758		
										311	9,330	\$547,328	9,330	\$547,328			9,330	\$525,847		
										511	13,062	\$805,207	13,062	\$805,207			13,062	\$773,605		
											.,		-,,,-				.,,,,,	,		
		1,808	\$667,311								107,650	\$6,030,419	109,458	\$6,127,201	\$684,635	\$570,530	109,014	\$5,886,722	\$657,765	
																\$7,382,365				

Table 4.0, Summary of CO 2012-2014 Monitoring Costs

Jan 21, 2011

		2013				2014			3a1 21, 2011					
		Summary CO				Summary CO			Average 2012-2014 CO					
Equip/	Labor	Labor	Non-labor	Equip/	Labor	Labor	Non-labor	Equip/	Labor	Labor	Non-labor	Equip/		
Contract \$	Hours	Costs	O&M	Contract \$	Hours	Costs	O & M	Contract \$	Hours	Costs	O&M	Contract \$		
	377	\$24,609			377	\$25,123			377	\$24,623				
	101	\$6,310			101	\$6,442			101	\$6,314				
	478	\$30,919			478	\$31,565			478	\$30,937				
\$522,036				\$532,254				\$543,361				\$532,550		
\$26,102				\$26,613				\$27,168				\$26,628		
	355	\$10,485			355	\$10,704			341	\$10,491				
	711	\$36,193			711	\$36,949			578	\$36,213				
\$548,138	1,066	\$46,679		\$558,867	1,066	\$47,653		\$570,530	918	\$46,705		\$559,178		
			\$298,062				\$304,282				\$298,228			
	37,320	\$1,899,403			37,320	\$1,939,040			37,320	\$1,900,460				
	37,320	\$1,899,403	\$298,062		37,320	\$1,939,040	\$304,282		37,320	\$1,900,460	\$298,228			
			\$372,578				\$380,353				\$372,785			
	3,732	\$195,603			3,732	\$199,685			3,732	\$195,712				
	17,416	\$962,369			17,416	\$982,452			17,416	\$962,905				
	21,148	\$1,157,972	\$372,578		21,148	\$1,182,137	\$380,353		21,148	\$1,158,617	\$372,785			
	4,354	\$236,960			4,354	\$241,905			4,354	\$237,091				
	2,799	\$162,817			2,799	\$166,214			2,799	\$162,907				
	3,732	\$212,369			3,732	\$216,801			3,732	\$212,488				
	1,244	\$68,554			1,244	\$69,985			1,244	\$68,593				
	12,129	\$680,700			12,129	\$694,905			12,129	\$681,079				
	11,196	\$697,839			11,196	\$712,401			11,196	\$698,227				
	8,086	\$395,678			8,086	\$403,935			8,086	\$395,898				
	1,244	\$78,241			1,244	\$79,874			1,244	\$78,285				
	1,555	\$89,046			1,555	\$90,904			1,555	\$89,096				
	1,866	\$116,989			1,866	\$119,431			1,866	\$117,055				
 	44	\$2,532			44	\$2,585			44	\$2,533				
	101	\$17,205			264	\$17,564			210	\$17,215				
	24,092	\$1,397,530			24,255	\$1,426,694			24,201	\$1,398,308				
 														
 	3,732	\$252,608			3,732	\$257,879			3,732	\$252,748				
	9,330	\$536,140			9,330	\$547,328			9,330	\$536,438				
	13,062	\$788,748			13,062	\$805,207			13,062	\$789,187				
\$548,138	109,295	\$6,001,951	\$670,640	\$558,867	109,458	\$6,127,201	\$684,635	\$570,530	109,256	\$6,005,291	\$671,014	\$559,178		
47.000.55				4= 004 :==				AT 000 515				45.005		
\$7,092,624				\$7,231,459				\$7,382,365				\$7,235,483		