GLWA-CS-213 Environmental - Occupational Health and Safety Consulting Cost Analysis

Tasks	Hourly F	Rate			I	# of Hours	T	1		Sub Total		1	1
Task 1 - Remediation of Leaking Underground Storage Tank Site	ЕСТ		NTH	Somat	Tetra Te	n ECT	NTH	Somat	Tetra Tech	ECT	NTH	Somat	Tetra Tech
Project Manager/hr	\$ 13	1.00	\$ 185.00	\$ 99.00	\$ 149	31 4	6	2	4	\$ 524.00	\$ 1,110.00	\$ 198.00	\$ 599.24
Activity Manager/hr	\$ 10	5.00	\$ 145.00	\$ 82.00	\$ 122	53 8	16	4	16	\$ 840.00	\$ 2,320.00	\$ 328.00	\$ 1,960.48
Crew Leader/hr	\$ 5	5.00	\$ 90.00	\$ 75.00	\$ 79	15 10	10	8		\$ 550.00	\$ 900.00	\$ 600.00	\$ -
Analytical Cost/sample	\$ 12	5.00	\$ 116.00	\$ 455.00	\$ 467	00 5	10	1	6	\$ 625.00	\$ 1,160.00	\$ 455.00	\$ 1,401.00
Cleaning and disposal of Tanks (2500													
gallon capacity)	\$ 9,50	0.00	\$ 2,500.00	\$ 300.00	\$ 2,420	00 1	1	4	1	\$ 9,500.00	\$ 2,500.00	\$ 1,200.00	\$ 2,420.00
Hydraulic Excavator with Operator/hr			\$ 180.00	\$ 185.00	\$ 262		10	16	8	\$ 1,250.00	\$ 1,800.00		\$ 2,310.00
Field Technician - Professional/hr			\$ 60.00	\$ 64.00	\$ 77		16	3	13	\$ 790.00	\$ 960.00		\$ 1,012.57
Field Technician - Assistant/hr	\$ 4	5.00	\$ 70.00	\$ 56.00	\$ 67	39 10	10	8	9	\$ 450.00	\$ 700.00	\$ 448.00	\$ 606.51
Removal and Disposal of Contaminated Soil to Type II Landfill/cubic yard	\$ 4	0.00	\$ 70.00	\$ 40.00	\$ 40		250	40	85	\$ 2,000.00	\$ 17,500.00	\$ 1,600.00	\$ 3,400.00
						108	329	86	142	\$ 16,529.00	\$ 28,950.00	\$ 7,981.00	\$ 13,709.80
	Hourly R	ate				# of Hours				Sub Total		T	,
Task 2 - Develop Health and Safety													
Programs and Training of GLWA	ECT		NTH	Somat	Tetra Te	h ECT	NTH	Somat	Tetra Tech	ECT	NTH	Somat	Tetra Tech
Personnel	-				ļ	\dashv \vdash				 		1	
All regulatory Health and Safety Topics	A 10	200	d 45.00	A 455.00	A 2400	16	22		2.4	A 2000 00	A 640.00	A (20.00	A 74.460.00
Related to the Operations	\$ 12	9.00	\$ 145.00	\$ 155.00	\$ 2,190	00 16	32	4	34	\$ 2,000.00	\$ 4,640.00	\$ 620.00	\$ 74,460.00
Total Course Development (One Time	¢ 1.65	0.00	¢ 145.00	¢ 100	¢ 500	1	22	1	24	¢ 1.650.00	¢ 4640.00	¢ 2500.00	¢ 10.040.00
Charge Per Course)	\$ 1,65	0.00	\$ 145.00	\$ 1.00	\$ 560	00 1	32	1	34	\$ 1,650.00	\$ 4,640.00	\$ 2,500.00	\$ 19,040.00
Course Presentation (class size: 30; course manuals to be provided to each													
participant)	\$ 50	0.00	\$ 145.00	\$ 1,550.00	\$ 1,400	00 1	16	2	4	\$ 500.00	\$ 2,320.00	\$ 3,100.00	\$ 5,600.00
Project Mgr/hr			\$ 185.00				2				\$ 370.00		
Senior Project Consultant/hr			\$ 185.00				2				\$ 370.00		
Word Processing			\$ 50.00				6				\$ 300.00		
						17.5	90	7	72	\$ 4,150.00	\$ 12,640.00	\$ 6,220.00	\$ 99,100.00
	Hourly R	ate				# of Hours				C 1 m . 1			
					1					Sub Total		_	1
Task 3 - Development and Update								_					
of Spill Prevention, Control and	ЕСТ		NTH	Somat	Tetra Te	n ECT	NTH	Somat	Tetra Tech	ECT ECT	NTH	Somat	Tetra Tech
of Spill Prevention, Control and Countermeasure and Pollution	ECT		NTH	Somat	Tetra Te	n ECT	NTH	Somat	Tetra Tech		NTH	Somat	Tetra Tech
of Spill Prevention, Control and Countermeasure and Pollution Incident Prevention Plans										ЕСТ			
of Spill Prevention, Control and Countermeasure and Pollution Incident Prevention Plans Senior Project Consultant/hr	\$ 16.		\$ 185.00	\$ 180.00	\$ 217	21 2	2	2	0	ECT \$ 330.00	\$ 370.00	\$ 360.00	\$ -
of Spill Prevention, Control and Countermeasure and Pollution Incident Prevention Plans Senior Project Consultant/hr Project Manager/hr	\$ 16. \$ 12	7.00	\$ 185.00 \$ 185.00	\$ 180.00 \$ 139.00	\$ 217 \$ 149	21 2 31 2	2 4	2 2		* 330.00 * 760.00	\$ 370.00 \$ 740.00	\$ 360.00 \$ 278.00	\$ - \$ 898.86
of Spill Prevention, Control and Countermeasure and Pollution Incident Prevention Plans Senior Project Consultant/hr Project Manager/hr Senior Project Engineer/hr	\$ 16 \$ 12 \$ 12	7.00 : 4.00 :	\$ 185.00 \$ 185.00 \$ 145.00	\$ 180.00 \$ 139.00 \$ 174.00	\$ 217 \$ 149 \$ 115	21 2 2 31 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 4 14	2	0 6 4	ECT \$ 330.00	\$ 370.00 \$ 740.00 \$ 2,030.00	\$ 360.00	\$ -
of Spill Prevention, Control and Countermeasure and Pollution Incident Prevention Plans Senior Project Consultant/hr Project Manager/hr Senior Project Engineer/hr Senior Staff Engineer/hr	\$ 16 \$ 12 \$ 12 \$ 12	7.00 : 4.00 : 0.00 :	\$ 185.00 \$ 185.00 \$ 145.00 \$ 115.00	\$ 180.00 \$ 139.00 \$ 174.00 \$ 82.00	\$ 217 \$ 149 \$ 115 \$ 83	21 2 31 2 2 32 2 2 3 7 7 2 3 7 7 7 7 7 7 7 7 7	2 4 14 20	2 2 4	0 6 4 0	\$ 330.00 \$ 760.00 \$ 248.00	\$ 370.00 \$ 740.00 \$ 2,030.00 \$ 2,300.00	\$ 360.00 \$ 278.00 \$ 696.00	\$ - \$ 898.86 \$ 461.12 \$ -
of Spill Prevention, Control and Countermeasure and Pollution Incident Prevention Plans Senior Project Consultant/hr Project Manager/hr Senior Project Engineer/hr Senior Staff Engineer/hr Staff Professional / hr	\$ 16 \$ 12 \$ 12 \$ 12 \$ 12	7.00 4.00 0.00 7.00	\$ 185.00 \$ 185.00 \$ 145.00 \$ 115.00 \$ 95.00	\$ 180.00 \$ 139.00 \$ 174.00 \$ 82.00 \$ 73.00	\$ 217 \$ 149 \$ 115 \$ 83 \$ 122	21 2 31 2 2 2 2 2 2 2 2 2 2 2 2 3 3 6 6 2 2 2 2	2 4 14 20 0	2 2 4	0 6 4 0 16	\$ 330.00 \$ 760.00 \$ 248.00 \$ 570.00	\$ 370.00 \$ 740.00 \$ 2,030.00 \$ 2,300.00 \$ -	\$ 360.00 \$ 278.00 \$ 696.00 \$ 1,752.00	\$ - \$ 898.86 \$ 461.12 \$ - \$ 1,960.48
of Spill Prevention, Control and Countermeasure and Pollution Incident Prevention Plans Senior Project Consultant/hr Project Manager/hr Senior Project Engineer/hr Senior Staff Engineer/hr Staff Professional / hr CADD	\$ 16 \$ 12 \$ 12 \$ 12 \$ 12 \$ 12	7.00 4.00 0.00 7.00 6.00	\$ 185.00 \$ 185.00 \$ 145.00 \$ 115.00 \$ 95.00 \$ 85.00	\$ 180.00 \$ 139.00 \$ 174.00 \$ 82.00 \$ 73.00 \$ 75.00	\$ 217 \$ 149 \$ 115 \$ 83 \$ 122 \$ 83	21 31 2 2 2 97 7 33 6 97 4	2 4 14 20 0 2	2 2 4 24 2	0 6 4 0 16 4	\$ 330.00 \$ 760.00 \$ 248.00 \$ 570.00 \$ 380.00	\$ 370.00 \$ 740.00 \$ 2,030.00 \$ 2,300.00 \$ - \$ 170.00	\$ 360.00 \$ 278.00 \$ 696.00 \$ 1,752.00 \$ 150.00	\$ - \$ 898.86 \$ 461.12 \$ - \$ 1,960.48 \$ 335.88
of Spill Prevention, Control and Countermeasure and Pollution Incident Prevention Plans Senior Project Consultant/hr Project Manager/hr Senior Project Engineer/hr Senior Staff Engineer/hr Staff Professional / hr	\$ 16 \$ 12 \$ 12 \$ 12 \$ 12 \$ 12	7.00 4.00 0.00 7.00 6.00	\$ 185.00 \$ 185.00 \$ 145.00 \$ 115.00 \$ 95.00	\$ 180.00 \$ 139.00 \$ 174.00 \$ 82.00 \$ 73.00	\$ 217 \$ 149 \$ 115 \$ 83 \$ 122	21 2 31 2 2 32 32 32 32 32 32 32 32 32 32 32 32	2 4 14 20 0 2 4	2 2 4 24 2 2	0 6 4 0 16 4	\$ 330.00 \$ 760.00 \$ 248.00 \$ 570.00 \$ 380.00 \$ 768.00	\$ 370.00 \$ 740.00 \$ 2,030.00 \$ 2,300.00 \$ - \$ 170.00 \$ 200.00	\$ 360.00 \$ 278.00 \$ 696.00 \$ 1,752.00 \$ 150.00 \$ 90.00	\$ - \$ 898.86 \$ 461.12 \$ - \$ 1,960.48 \$ 335.88 \$ 134.78
of Spill Prevention, Control and Countermeasure and Pollution Incident Prevention Plans Senior Project Consultant/hr Project Manager/hr Senior Project Engineer/hr Senior Staff Engineer/hr Staff Professional / hr CADD	\$ 16. \$ 12 \$ 12. \$ 12. \$ 12. \$ 12. \$ 9.	7.00 4.00 0.00 7.00 6.00	\$ 185.00 \$ 185.00 \$ 145.00 \$ 115.00 \$ 95.00 \$ 85.00	\$ 180.00 \$ 139.00 \$ 174.00 \$ 82.00 \$ 73.00 \$ 75.00	\$ 217 \$ 149 \$ 115 \$ 83 \$ 122 \$ 83	21 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 4 14 20 0 2	2 2 4 24 2	0 6 4 0 16 4	\$ 330.00 \$ 760.00 \$ 248.00 \$ 570.00 \$ 380.00 \$ 768.00 \$ 3,056.00	\$ 370.00 \$ 740.00 \$ 2,030.00 \$ 2,300.00 \$ - \$ 170.00 \$ 200.00	\$ 360.00 \$ 278.00 \$ 696.00 \$ 1,752.00 \$ 150.00	\$ - \$ 898.86 \$ 461.12 \$ - \$ 1,960.48 \$ 335.88
of Spill Prevention, Control and Countermeasure and Pollution Incident Prevention Plans Senior Project Consultant/hr Project Manager/hr Senior Project Engineer/hr Senior Staff Engineer/hr Staff Professional / hr CADD Word Processing	\$ 16 \$ 12 \$ 12 \$ 12 \$ 12 \$ 12	7.00 4.00 0.00 7.00 6.00	\$ 185.00 \$ 185.00 \$ 145.00 \$ 115.00 \$ 95.00 \$ 85.00	\$ 180.00 \$ 139.00 \$ 174.00 \$ 82.00 \$ 73.00 \$ 75.00	\$ 217 \$ 149 \$ 115 \$ 83 \$ 122 \$ 83	21 2 31 2 2 32 32 32 32 32 32 32 32 32 32 32 32	2 4 14 20 0 2 4	2 2 4 24 2 2	0 6 4 0 16 4	\$ 330.00 \$ 760.00 \$ 248.00 \$ 570.00 \$ 380.00 \$ 768.00	\$ 370.00 \$ 740.00 \$ 2,030.00 \$ 2,300.00 \$ - \$ 170.00 \$ 200.00	\$ 360.00 \$ 278.00 \$ 696.00 \$ 1,752.00 \$ 150.00 \$ 90.00	\$ - \$ 898.86 \$ 461.12 \$ - \$ 1,960.48 \$ 335.88 \$ 134.78
of Spill Prevention, Control and Countermeasure and Pollution Incident Prevention Plans Senior Project Consultant/hr Project Manager/hr Senior Project Engineer/hr Senior Staff Engineer/hr Staff Professional / hr CADD Word Processing Task 4 - Update and Audit of	\$ 16. \$ 12 \$ 12: \$ 12: \$ 12: \$ 9: \$ 9:	7.00 4.00 0.00 7.00 6.00	\$ 185.00 \$ 185.00 \$ 145.00 \$ 115.00 \$ 95.00 \$ 85.00 \$ 50.00	\$ 180.00 \$ 139.00 \$ 174.00 \$ 82.00 \$ 73.00 \$ 75.00 \$ 45.00	\$ 217 \$ 149 \$ 115 \$ 83 \$ 122 \$ 83 \$ 67	21 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 4 14 20 0 2 4 46	2 2 4 24 2 2 36	0 6 4 0 16 4 2 32	\$ 330.00 \$ 760.00 \$ 248.00 \$ 570.00 \$ 380.00 \$ 768.00 \$ 3,056.00	\$ 370.00 \$ 740.00 \$ 2,030.00 \$ 2,300.00 \$ - \$ 170.00 \$ 200.00 \$ 5,810.00	\$ 360.00 \$ 278.00 \$ 696.00 \$ 1,752.00 \$ 150.00 \$ 90.00 \$ 3,326.00	\$ - \$ 898.86 \$ 461.12 \$ - \$ 1,960.48 \$ 335.88 \$ 134.78 \$ 3,791.12
of Spill Prevention, Control and Countermeasure and Pollution Incident Prevention Plans Senior Project Consultant/hr Project Manager/hr Senior Project Engineer/hr Senior Staff Engineer/hr Staff Professional / hr CADD Word Processing Task 4 - Update and Audit of Process Safety Management and	\$ 16. \$ 12 \$ 12. \$ 12. \$ 12. \$ 12. \$ 9.	7.00 4.00 0.00 7.00 6.00	\$ 185.00 \$ 185.00 \$ 145.00 \$ 115.00 \$ 95.00 \$ 85.00	\$ 180.00 \$ 139.00 \$ 174.00 \$ 82.00 \$ 73.00 \$ 75.00	\$ 217 \$ 149 \$ 115 \$ 83 \$ 122 \$ 83	21 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 4 14 20 0 2 4	2 2 4 24 2 2	0 6 4 0 16 4	\$ 330.00 \$ 760.00 \$ 248.00 \$ 570.00 \$ 380.00 \$ 768.00 \$ 3,056.00	\$ 370.00 \$ 740.00 \$ 2,030.00 \$ 2,300.00 \$ - \$ 170.00 \$ 200.00	\$ 360.00 \$ 278.00 \$ 696.00 \$ 1,752.00 \$ 150.00 \$ 90.00	\$ - \$ 898.86 \$ 461.12 \$ - \$ 1,960.48 \$ 335.88 \$ 134.78
of Spill Prevention, Control and Countermeasure and Pollution Incident Prevention Plans Senior Project Consultant/hr Project Manager/hr Senior Project Engineer/hr Senior Staff Engineer/hr Staff Professional / hr CADD Word Processing Task 4 - Update and Audit of Process Safety Management and	\$ 16 \$ 12 \$ 12 \$ 12 \$ 12 \$ 12 \$ 9 \$ 9 \$ 9	7.00 4.00 5.00 5.00 5.00 5.00 6.	\$ 185.00 \$ 185.00 \$ 145.00 \$ 115.00 \$ 95.00 \$ 85.00 \$ 50.00	\$ 180.00 \$ 139.00 \$ 174.00 \$ 82.00 \$ 73.00 \$ 75.00 \$ 45.00	\$ 217 \$ 149 \$ 115 \$ 83 \$ 122 \$ 83 \$ 67	21 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 4 14 20 0 2 4 46	2 2 4 24 2 2 36	0 6 4 0 16 4 2 32	\$ 330.00 \$ 760.00 \$ 248.00 \$ 570.00 \$ 380.00 \$ 768.00 \$ 3,056.00	\$ 370.00 \$ 740.00 \$ 2,030.00 \$ 2,300.00 \$ - \$ 170.00 \$ 200.00 \$ 5,810.00	\$ 360.00 \$ 278.00 \$ 696.00 \$ 1,752.00 \$ 150.00 \$ 90.00 \$ 3,326.00	\$ - \$ 898.86 \$ 461.12 \$ - \$ 1,960.48 \$ 335.88 \$ 134.78 \$ 3,791.12
of Spill Prevention, Control and Countermeasure and Pollution Incident Prevention Plans Senior Project Consultant/hr Project Manager/hr Senior Project Engineer/hr Senior Staff Engineer/hr Staff Professional / hr CADD Word Processing Task 4 - Update and Audit of Process Safety Management and Risk Management Plans	\$ 16 \$ 12 \$ 12 \$ 12 \$ 12 \$ 12 \$ 9 \$ 9 \$ 9	7.00 4.00 0.00 7.00 6.	\$ 185.00 \$ 185.00 \$ 145.00 \$ 115.00 \$ 95.00 \$ 85.00 \$ NTH	\$ 180.00 \$ 139.00 \$ 174.00 \$ 82.00 \$ 73.00 \$ 75.00 \$ 45.00	\$ 217 \$ 149 \$ 115 \$ 83 \$ 122 \$ 83 \$ 67	21 2 2 3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 4 14 20 0 2 4 46	2 2 4 24 2 2 36	0 6 4 0 16 4 2 32	\$ 330.00 \$ 760.00 \$ 248.00 \$ 570.00 \$ 380.00 \$ 768.00 \$ 3,056.00 Sub Total	\$ 370.00 \$ 740.00 \$ 2,030.00 \$ 2,300.00 \$ - \$ 170.00 \$ 200.00 \$ 5,810.00	\$ 360.00 \$ 278.00 \$ 696.00 \$ 1,752.00 \$ 150.00 \$ 90.00 \$ 3,326.00 Somat	\$ 898.86 \$ 461.12 \$ - \$ 1,960.48 \$ 335.88 \$ 134.78 \$ 3,791.12
of Spill Prevention, Control and Countermeasure and Pollution Incident Prevention Plans Senior Project Consultant/hr Project Manager/hr Senior Project Engineer/hr Senior Staff Engineer/hr Staff Professional / hr CADD Word Processing Task 4 - Update and Audit of Process Safety Management and Risk Management Plans Activity Manager/hr	\$ 16 \$ 12 \$ 12 \$ 12 \$ 12 \$ 9 \$ 9 \$ 9	7.00 4.00 7.00 7.00 6.	\$ 185.00 \$ 185.00 \$ 145.00 \$ 115.00 \$ 95.00 \$ 85.00 \$ 50.00	\$ 180.00 \$ 139.00 \$ 174.00 \$ 82.00 \$ 73.00 \$ 75.00 \$ 45.00	\$ 217 \$ 149 \$ 115 \$ 83 \$ 122 \$ 83 \$ 67	21 2 2 3 3 4 2 2 3 3 6 4 4 3 9 8 24 # of Hours ECT 40 54 54	2 4 14 20 0 2 4 46 NTH	2 2 4 24 2 2 36 Somat	0 6 4 0 16 4 2 32	\$ 330.00 \$ 760.00 \$ 248.00 \$ 570.00 \$ 380.00 \$ 768.00 \$ 3,056.00 Sub Total ECT	\$ 370.00 \$ 740.00 \$ 2,030.00 \$ 2,300.00 \$ - \$ 170.00 \$ 200.00 \$ 5,810.00 NTH	\$ 360.00 \$ 278.00 \$ 696.00 \$ 1,752.00 \$ 150.00 \$ 90.00 \$ 3,326.00 \$ Somat \$ 952.00 \$ 1,392.00	\$ - \$ 898.86 \$ 461.12 \$ - \$ 1,960.48 \$ 335.88 \$ 134.78 \$ 3,791.12 Tetra Tech
of Spill Prevention, Control and Countermeasure and Pollution Incident Prevention Plans Senior Project Consultant/hr Project Manager/hr Senior Staff Engineer/hr Staff Professional / hr CADD Word Processing Task 4 - Update and Audit of Process Safety Management and Risk Management Plans Activity Manager/hr ProjectEngineer/hr	\$ 16. \$ 12 \$ 12: \$ 12: \$ 12: \$ 9. \$ 9. Hourly R ECT \$ 16. \$ 15. \$ 15.	7.00 4.00 5.00 5.00 4.00	\$ 185.00 \$ 185.00 \$ 145.00 \$ 175.00 \$ 95.00 \$ 85.00 \$ 50.00 \$ NTH \$ 185.00 \$ 145.00	\$ 180.00 \$ 139.00 \$ 174.00 \$ 82.00 \$ 73.00 \$ 45.00 \$ where the state of the state o	\$ 217 \$ 149 \$ 115 \$ 83 \$ 122 \$ 83 \$ 67 Tetra Tec	21 2 2 3 3 4 2 2 2 3 3 6 3 7 4 4 3 3 9 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2 4 14 20 0 2 4 46 NTH	2 2 4 24 2 2 36 Somat	0 6 4 0 16 4 2 32 Tetra Tech	\$ 330.00 \$ 760.00 \$ 248.00 \$ 380.00 \$ 3,056.00 \$ Use Total \$ 6,600.00 \$ 9,316.00	\$ 370.00 \$ 740.00 \$ 2,030.00 \$ 2,300.00 \$ - \$ 170.00 \$ 200.00 \$ 5,810.00 NTH	\$ 360.00 \$ 278.00 \$ 696.00 \$ 1,752.00 \$ 150.00 \$ 90.00 \$ 3,326.00 \$ Somat \$ 952.00 \$ 1,392.00	\$ - \$ 898.86 \$ 461.12 \$ - \$ 1,960.48 \$ 335.88 \$ 134.78 \$ 3,791.12 Tetra Tech
of Spill Prevention, Control and Countermeasure and Pollution Incident Prevention Plans Senior Project Consultant/hr Project Manager/hr Senior Project Engineer/hr Senior Staff Engineer/hr Staff Professional / hr CADD Word Processing Task 4 - Update and Audit of Process Safety Management and Risk Management Plans Activity Manager/hr ProjectEngineer/hr Crew Leader	\$ 16. \$ 12 \$ 12. \$ 12. \$ 12. \$ 9. \$ 9. Hourly R ECT \$ 16. \$ 15. \$ 15. \$ 12. \$ 12.	7.00 4.00 5.00 4.00 5.00 4.00 5.00 4.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00	\$ 185.00 \$ 185.00 \$ 145.00 \$ 115.00 \$ 95.00 \$ 85.00 \$ 50.00 NTH \$ 185.00 \$ 145.00 \$ 95.00	\$ 180.00 \$ 139.00 \$ 174.00 \$ 82.00 \$ 73.00 \$ 75.00 \$ 45.00 \$ 119.00 \$ 87.00 \$ 75.00	\$ 217 \$ 149 \$ 115 \$ 83 \$ 122 \$ 83 \$ 67 Tetra Tec \$ 149 \$ 95 \$ 122	21 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 4 14 20 0 2 4 46 NTH	2 2 4 24 2 2 36 Somat	0 6 4 0 16 4 2 32 Tetra Tech	\$ 330.00 \$ 760.00 \$ 248.00 \$ 570.00 \$ 380.00 \$ 768.00 \$ 3,056.00 Sub Total ECT \$ 6,600.00 \$ 9,316.00 \$ 6,696.00	\$ 370.00 \$ 740.00 \$ 2,030.00 \$ 2,300.00 \$ - \$ 170.00 \$ 200.00 \$ 5,810.00 NTH \$ 740.00 \$ 8,700.00 \$ 1,520.00 \$ -	\$ 360.00 \$ 278.00 \$ 696.00 \$ 1,752.00 \$ 150.00 \$ 90.00 \$ 3,326.00 \$ Somat \$ 952.00 \$ 1,392.00 \$ 300.00	\$ - \$ 898.86 \$ 461.12 \$ - \$ 1,960.48 \$ 335.88 \$ 134.78 \$ 3,791.12 Tetra Tech
of Spill Prevention, Control and Countermeasure and Pollution Incident Prevention Plans Senior Project Consultant/hr Project Manager/hr Senior Project Engineer/hr Senior Staff Engineer/hr Staff Professional / hr CADD Word Processing Task 4 - Update and Audit of Process Safety Management and Risk Management Plans Activity Manager/hr ProjectEngineer/hr Crew Leader Decontamination Equipment/hr	\$ 16 \$ 12 \$ 12 \$ 12 \$ 12 \$ 9 \$ 9 \$ 9 \$ 9 \$ 9	7.00	\$ 185.00 \$ 185.00 \$ 145.00 \$ 115.00 \$ 95.00 \$ 85.00 \$ 50.00 NTH \$ 185.00 \$ 145.00 \$ 95.00	\$ 180.00 \$ 139.00 \$ 174.00 \$ 82.00 \$ 73.00 \$ 75.00 \$ 45.00 \$ 119.00 \$ 87.00 \$ 87.00 \$ 300.00	\$ 217 \$ 149 \$ 115 \$ 83 \$ 122 \$ 83 \$ 67 Tetra Tec \$ 149 \$ 95 \$ 122 \$ 250	21 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 4 14 20 0 2 4 46 NTH	2 2 4 24 2 2 36 Somat	0 6 4 0 16 4 2 32 Tetra Tech	\$ 330.00 \$ 760.00 \$ 248.00 \$ 570.00 \$ 380.00 \$ 768.00 \$ 3,056.00 Sub Total ECT \$ 6,600.00 \$ 9,316.00 \$ 6,696.00 \$ -	\$ 370.00 \$ 740.00 \$ 2,030.00 \$ 2,300.00 \$ - \$ 170.00 \$ 200.00 \$ 5,810.00 NTH \$ 740.00 \$ 8,700.00 \$ 1,520.00 \$ -	\$ 360.00 \$ 278.00 \$ 696.00 \$ 1,752.00 \$ 150.00 \$ 90.00 \$ 3,326.00 \$ 952.00 \$ 1,392.00 \$ 300.00 \$ 1,200.00	\$ - \$ 898.86 \$ 461.12 \$ - \$ 1,960.48 \$ 335.88 \$ 134.78 \$ 3,791.12 Tetra Tech \$ 898.86 \$ 8,575.20 \$ - \$ -

GLWA-CS-213 Environmental - Occupational Health and Safety Consulting Cost Analysis

	Ho	urly Rate						
Task 5 - Clean-up and Disposal of								
Oil and Pollution Spills on Surface		ECT	NTH		Somat		Tetra Tech	
Waters								
Activity Manager/hr	\$	151.50	\$	185.00	\$	152.00	\$	149.81
ProjectEngineer/hr			\$	145.00	\$	87.00	\$	95.28
Crew Leader	\$	110.50	\$	110.50	\$	111.00	\$	122.53
Decontamination Equipment/hr	\$	245.00	\$	245.00	\$	245.00	\$	275.00
Technician-Professional/hr	\$	119.50	\$	95.00	\$	120.00	\$	83.97
Field Technician/hr	\$	78.50	\$	60.00	\$	79.00	\$	67.39
Complete waste characteriazation/sample (includes analysis for PCB's, Flash and BTEX with 48-hr TAT)								
-	\$	497.00	\$	769.00	\$	497.00	\$	1,286.00
Supply and deployment of containment boom by boat /incident (Includes 20' twin engine workboat with 4-person crew and 500' of small (6"x6") containment boom) Not to Exceed a 10-hour								
day portal to portal	\$	7,030.00	\$	2,581.50	\$	7.030.00	\$	2,510.00
Supply and deployment of absorbent boom by boat /incident (Includes 20' twin engin e workboat with a 4-person crew and 200' of Spc 510 sorbent boom) Not to Exceed a 10hour day portal to portal.	\$	6,840.00	\$	2,328.50	\$	6,840.00	\$	3,148.00
Recover, containerize, transport and dispos								
e of floating contaminants /gallon	\$	929.30	\$	19.13	\$	9,293.00	\$	2.88
Contractor Project Manager			\$	119.50				
Contractor Technician			\$	151.50				
Contractor Field Labor			\$	78.50				

ЕСТ	NTH	Somat	Tetra Tech
	2		4
	6		0
	30		17
4	4	4	2
	2		17
	10		18
1	1	1	1
1	1	1	1
1	1	1	1
	250	4	4500
6	250	1	1500
	3		
	30		
	60		

Sul	o Total	1							
ECT		ECT NTH			Somat	Tetra Tech			
		\$	370.00			\$	599.24		
		\$	870.00			\$	-		
		\$	3,315.00			\$	2,083.01		
\$	980.00	\$	980.00	\$	980.00	\$	550.00		
		\$	190.00			\$	1,427.49		
		\$	600.00			\$	1,213.02		
\$	497.00	\$	769.00	\$	497.00	\$	1,286.00		
\$	7,030.00	\$	2,518.50	\$	7,030.00	\$	2,510.00		
\$	6,840.00	\$	2,328.50	\$	6,840.00	\$	3,148.00		
\$	5,575.80	\$	4,782.50	\$	9,293.00	\$	4,323.00		
Ф	3,3/5.00	\$	454.50	Þ	7,473.00	Þ	4,323.00		
		\$	3,585.00						
		\$	4,710.00						
	20,922.80	\$	4,/10.00	ı					

Total Cost Per Task

10441 00561 01 14511				
Task Description	ECT	NTH	Somat	Tetra Tech
1. Remediation of Leaking Underground Storage Tank Site	\$ 16,529.00	\$ 28,950.00	\$ 7,981.00	\$ 13,709.80
		<u> </u>	<u> </u>	,
2. Develop Health and Safety Programs				
and Training of GLWA Personnel	\$ 4,150.00	\$ 12,640.00	\$ 6,220.00	\$ 99,100.00
3. Develop Spill Control and				
Countermeasures/Pollution Incident				
Prevention Plans and Develpoment				
Updates	\$ 3,056.00	\$ 5,810.00	\$ 3,326.00	\$ 3,791.12
4. Update and Audit of Process Safety				
Management and Risk Management Plan	\$ 26,914.00	\$ 12,880.00	\$ 4,100.00	\$ 10,145.82
5. Clean-up and Disposal fo Oil and				
Pollution Spills on Surface Waters	\$ 20,922.80	\$ 25,473.00	\$ 24,640.00	\$ 17,139.76
	\$ 71,571.80	\$ 85,753.00	\$ 46,267.00	\$ 143,886.50

D. Graves

5/7/2018

GLWA-CS-213 Environmental Health and Safety Compliance Services

Cost Detail

Original Hours

Expanded Hours

Description
Remediation of Leaking Underground Storage Tank Site
Develop Health and Safety Programs and Training of GLWA Personnel
Develop Spill Control and Countermeasures/Pollution Incident Prevention Plans and
Develpoment Updates
Update and Audit of Process Safety Management and Risk Management Plan
Clean-up and Disposal of Oil and Pollution Spills on Surface Waters
Preparation of Training Sessions for Health and Safety Training Programs
Presentation of Training Sessions for Health and Safety Programs

Hours	Cost
329	\$ 28,950.00
90	\$ 12,640.00
46	\$ 5,810.00
104	\$ 12,880.00
400	\$ 25,473.00
969	\$ 85,753.00

Hours	Cost
329	\$ 28,950.00
2470	\$ 158,278.00
1046	\$ 56,700.00
800	\$ 50,422.00
400	\$ 25,473.00
1600	\$ 141,740.00
1349	\$ 19,717.00
7,994	\$ 481,280.00