

**LWA Cost Estimate to Investigate Objectives for Molybdenum for the City of Lompoc - Dec. 20, 2006**

Task No.	Task Description	LWA Labor Hours Estimate <sup>a</sup>						Total LWA Labor Hours	Total LWA Labor Cost	Other Costs and Sub-contractors		Total Estimated Cost
		Associate	Senior Scientist	Project Scientist (I)	Lead Field Scientist (I)	Admin. Assistant	Contract Admin.			Source	Amount	
		\$ 215	\$ 193	\$ 149	\$ 94	\$ 72	\$ 138					
<b>Task 1</b>	<b>Develop Detailed Study Plans</b>											
Task 1.1	Obtain and review existing data and information	4	8	20			32	\$ 4,880	b	\$ 200	\$ 5,080	
Task 1.2	Develop draft study plan	8	10	24	20		62	\$ 8,250	b	\$ 200	\$ 8,450	
Task 1.3	Develop QAPP		8	40	4		52	\$ 7,140			\$ 7,140	
Task 1.4	Meet with RWQCB (assuming 2 meetings w/ prep time)	48		48			96	\$ 15,840	b	\$ 700	\$ 16,540	
Task 1.5	Finalize study plans based on comments received	4	6	24			34	\$ 5,070			\$ 5,070	
<b>Task 2</b>	<b>Water Quality Monitoring</b>											
Task 2.1	Conduct monitoring events - assuming 12 events at least 22 sites (10 wells, treated water plant, 3 industrial, influent, effluent, upstream and downstream of effluent, confluence with SY River and 1 to 3 downstream sites to assess point of compliance).		24	255	267		546	\$ 64,386	c	\$ 38,700	\$ 103,086	
Task 2.2	Preliminary report, meeting with City and presentation to the RWQCB	52	10	60			122	\$ 20,990	b	\$ 1,100	\$ 22,090	
Task 2.3	Process data and provide post event summary reports.		6	24	96		126	\$ 13,073			\$ 13,073	
<b>Task 3</b>	<b>Characterization Study Report</b>											
Task 3.1	Prepare draft Characterization Study Report	4	16	80		4	104	\$ 16,141			\$ 16,141	
Task 3.2	Attend two meetings with RWQCB	48		48			96	\$ 17,464	b	\$ 700	\$ 18,164	
Task 3.3	Prepare final Characterization Study Report	4	12	24			40	\$ 6,747			\$ 6,747	
<b>Task 4</b>	<b>Regulatory Assistance</b>											
Task 4.1	Conduct conference calls with City to prepare for RB Meetings (assuming 5 meetings)	50		70			120	\$ 20,160			\$ 20,160	
Task 4.2	Meet with RB (assuming 5 meetings)	110		80			190	\$ 33,863	b	\$ 1,750	\$ 35,613	
<b>Task 5</b>	<b>Project Management and Administration</b>											
Task 5.1	Prepare monthly invoices	13					30	\$ 6,827			\$ 6,827	
Task 5.2	Submit detailed quarterly progress reports	3	9	6		6	24	\$ 3,707			\$ 3,707	
<b>Totals &gt;&gt;&gt;&gt;</b>		<b>347.5</b>	<b>109</b>	<b>803</b>	<b>387</b>	<b>10</b>	<b>30</b>	<b>1686.5</b>	<b>\$ 244,536</b>		<b>\$ 43,350</b>	<b>\$ 287,886</b>

a	Labor costs are based on the anticipated billing rates for each year of the project. These rates are based on the current billing rates plus an escalation factor based on historic increases in LWA labor rates.
b	Includes mileage and rental car.
c	Field meters (flow, GPS, camera, multiprobe \$200/day), supplies (ice \$30/day), shipping costs to lab (\$30), mileage costs for LWA to/from/around sites \$250, per diem and hotel (\$146). Cost for sample analysis = \$100/sample