

Project Summary

415 W. Washington St.

11-Oct-12

Labor Category	Hourly Rate	Total Estimated Hours	Total Estimated Cost	Task 1 - Phase I ESA		Task 2 - Phase II ESA		Task 3 - Hazardous Materials Survey		Task 4 - Planning Estimates For Remediation	
				Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Rauss	\$74.00	66.0	\$4,884.00	30.0	\$2,220.00	22.0	\$1,628.00	3.0	\$222.00	11.0	\$814.00
McCall	\$103.00	33.0	\$3,399.00	12.0	\$1,236.00	11.0	\$1,133.00	-	\$0.00	10.0	\$1,030.00
Rabideau	\$126.00	14.0	\$1,764.00	-	\$0.00	4.0	\$504.00	-	\$0.00	10.0	\$1,260.00
Capodivacca	\$63.00	48.0	\$3,024.00	14.0	\$882.00	14.0	\$882.00	12.0	\$756.00	8.0	\$504.00
Dechy	\$54.00	98.0	\$5,292.00	-	\$0.00	82.0	\$4,428.00	-	\$0.00	16.0	\$864.00
Gryzenia	\$63.00	36.0	\$2,268.00	28.0	\$1,764.00	8.0	\$504.00	-	\$0.00	-	\$0.00
Kiser	\$58.00	7.0	\$406.00	3.0	\$174.00	4.0	\$232.00	-	\$0.00	-	\$0.00
Sopoci	\$87.00	22.0	\$1,914.00	-	\$0.00	-	\$0.00	22.0	\$1,914.00	-	\$0.00
Detloff	\$63.00	66.0	\$4,158.00	-	\$0.00	32.0	\$2,016.00	34.0	\$2,142.00	-	\$0.00
Total Estimated Labor		390.0	\$ 27,109	87.0	\$ 6,276	177.0	\$ 11,327	71.0	\$ 5,034	55.0	\$ 4,472
Total Labor			\$ 27,109		\$ 6,276		\$ 11,327		\$ 5,034		\$ 4,472
Travel			Cost		Cost		Cost		Cost		Cost
Mileage			\$65.00		\$18.00		\$35.00		\$6.00		\$6.00
Total Travel			\$ 65		\$ 18		\$ 35		\$ 6		\$ 6
Subcontractors			Cost		Cost		Cost		Cost		Cost
Database Report - EDR			\$400.00		\$400.00		\$0.00		\$0.00		\$0.00
PNAs			\$2,400.00		\$0.00		\$2,400.00		\$0.00		\$0.00
PCBs			\$400.00		\$0.00		\$400.00		\$0.00		\$0.00
Chloride			\$528.00		\$0.00		\$228.00		\$300.00		\$0.00
VOCs			\$2,080.00		\$0.00		\$2,080.00		\$0.00		\$0.00
Mercury			\$576.00		\$0.00		\$576.00		\$0.00		\$0.00
Michigan 10 Metals			\$1,920.00		\$0.00		\$1,920.00		\$0.00		\$0.00
Sodium			\$576.00		\$0.00		\$576.00		\$0.00		\$0.00
Disp. Gloves (100)			\$45.00		\$0.00		\$45.00		\$0.00		\$0.00
Chloride - soil			\$444.00		\$0.00		\$444.00		\$0.00		\$0.00
Terra Probe			\$4,000.00		\$0.00		\$4,000.00		\$0.00		\$0.00
asbestos			\$900.00		\$0.00		\$0.00		\$900.00		\$0.00
Total Subcontractors			\$ 15,297		\$ 420		\$ 13,302		\$ 1,575		\$ -
Material & Expenses			Cost		Cost		Cost		Cost		Cost
Water Level Indicator			\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
PE Tubing 1/4" OD (peristaltic pump) 25-ft			\$75.00		\$0.00		\$75.00		\$0.00		\$0.00
Peristaltic Pump			\$176.00		\$0.00		\$176.00		\$0.00		\$0.00
Peristaltic Pump			\$300.00		\$0.00		\$300.00		\$0.00		\$0.00
Silicone Tubing - (peristaltic pump)			\$53.00		\$0.00		\$53.00		\$0.00		\$0.00
Other - Ice			\$36.00		\$0.00		\$36.00		\$0.00		\$0.00
PID			\$150.00		\$0.00		\$150.00		\$0.00		\$0.00
Multi-Parameter Water Quality Meter			\$675.00		\$0.00		\$675.00		\$0.00		\$0.00
Filters, In-line Low Capacity			\$207.00		\$0.00		\$207.00		\$0.00		\$0.00
methanol kit			\$200.00		\$0.00		\$200.00		\$0.00		\$0.00
Total Material & Expenses			\$ 2,027		\$ -		\$ 2,027		\$ -		\$ -
Total Estimated Hours		390		87		177		71		55	
Total Cost			\$44,498.00		\$6,714.00		\$26,691.00		\$6,615.00		\$4,478.00



**EXHIBIT 1
FEE PROPOSAL**
415 West Washington
City of Ann Arbor

Task 1 - Phase I ESA

415 W. Washington St.

11-Oct-12

Labor Category	Hourly	Total Estimated Hours	Total Estimated Cost	Kickoff Meeting		Site Walk and Drafting Document		Progress Meeting with City Personnel	
	Rate			Hours	Cost	Hours	Cost	Hours	Cost
Rauss	\$74.00	30.0	\$2,220.00	2.0	\$148.00	25.0	\$1,850.00	3.0	\$222.00
McCall	\$103.00	12.0	\$1,236.00	2.0	\$206.00	8.0	\$824.00	2.0	\$206.00
Capodivacca	\$63.00	14.0	\$882.00		\$0.00	14.0	\$882.00		\$0.00
Gryzenia	\$63.00	28.0	\$1,764.00		\$0.00	28.0	\$1,764.00		\$0.00
Kiser	\$58.00	3.0	\$174.00		\$0.00	3.0	\$174.00		\$0.00

Total Estimated Labor 87.0 \$ 6,276.00 4.0 \$ 354.00 78.0 \$ 5,494.00 5.0 \$ 428.00

Total Labor **\$ 6,276.00** **\$ 354.00** **\$ 5,494.00** **\$ 428.00**

Travel	Rate	Total Units	Total Cost	Units	Cost	Units	Cost	Units	Cost
Mileage	\$0.55	30.0	\$18.00	10.00	\$6.00	10.00	\$6.00	10.00	\$6.00

Total Travel **\$ 18.00** **\$ 6.00** **\$ 6.00** **\$ 6.00**

Subcontractors	Rate	Total Units	Total Cost	Units	Cost	Units	Cost	Units	Cost
Database Report - EDR	\$400.00	1.0	\$400.00		\$0.00	1.00	\$400.00		\$0.00

SubTotal Estimated Subcontractors \$400.00 \$0.00 \$400.00 \$0.00
 Subcontractors Mark Up 5.0% \$ 20 \$ - \$ 20 \$ -

Total Subcontractors **\$ 420.00** **\$ 0.00** **\$ 420.00** **\$ 0.00**

Total Estimated Hours 87 4 78 5

Total Cost **\$ 6,714.00** **\$ 360.00** **\$ 5,920.00** **\$ 434.00**

Task 2 - Phase II ESA

415 W. Washington St.

11-Oct-12

Labor Category	Hourly	Total Estimated	Total Estimated	MISSDIG and Joint Meeting		Drilling and Well Installation		Groundwater Sampling - Existing Wells		Groundwater Sampling - New Wells		Draft Document		Progress Meeting with City Personnel	
	Rate	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Rauss	\$74.00	22.0	\$1,628.00		\$0.00	6.0	\$444.00	3.0	\$222.00	2.0	\$148.00	8.0	\$592.00	3.0	\$222.00
McCall	\$103.00	11.0	\$1,133.00	1.0	\$103.00	2.0	\$206.00	-	\$0.00		\$0.00	6.0	\$618.00	2.0	\$206.00
Rabideau	\$126.00	4.0	\$504.00		\$0.00		\$0.00		\$0.00		\$0.00	2.0	\$252.00	2.0	\$252.00
Capodivacca	\$63.00	14.0	\$882.00		\$0.00	5.0	\$315.00	4.0	\$252.00		\$0.00	5.0	\$315.00		\$0.00
Dechy	\$54.00	82.0	\$4,428.00	4.0	\$216.00	30.0	\$1,620.00	20.0	\$1,080.00	10.0	\$540.00	18.0	\$972.00		\$0.00
Gryzenia	\$63.00	8.0	\$504.00		\$0.00		\$0.00	8.0	\$504.00		\$0.00		\$0.00		\$0.00
Kiser	\$58.00	4.0	\$232.00		\$0.00	4.0	\$232.00		\$0.00		\$0.00		\$0.00		\$0.00
Detloff	\$63.00	32.0	\$2,016.00		\$0.00	20.0	\$1,260.00	12.0	\$756.00		\$0.00		\$0.00		\$0.00

Total Estimated Labor 177.0 \$ 11,327.00 5.0 \$ 319.00 67.0 \$ 4,077.00 47.0 \$ 2,814.00 12.0 \$ 688.00 39.0 \$ 2,749.00 7.0 \$ 680.00

Total Labor **\$ 11,327.00** **\$ 319.00** **\$ 4,077.00** **\$ 2,814.00** **\$ 688.00** **\$ 2,749.00** **\$ 680.00**

Travel	Rate	Total Units	Total Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost
Mileage	\$0.55	60.0	\$35.00	10.0	\$6.00	20.0	\$11.00	10.0	\$6.00	10.0	\$6.00		\$0.00	10.0	\$6.00

Total Travel **\$35.00** **\$6.00** **\$11.00** **\$6.00** **\$6.00** **\$0.00** **\$6.00**

Subcontractors	Rate	Total Units	Total Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost
PNAs	\$75.00	32.0	\$2,400.00		\$0.00	18.0	\$1,350.00	11.0	\$825.00	3.0	\$225.00		\$0.00		\$0.00
PCBs	\$50.00	8.0	\$400.00		\$0.00	6.0	\$300.00	2.0	\$100.00	-	\$0.00		\$0.00		\$0.00
Chloride	\$12.00	19.0	\$228.00		\$0.00	5.0	\$60.00	11.0	\$132.00	3.0	\$36.00		\$0.00		\$0.00
VOCs	\$65.00	32.0	\$2,080.00		\$0.00	18.0	\$1,170.00	11.0	\$715.00	3.0	\$195.00		\$0.00		\$0.00
Mercury	\$18.00	32.0	\$576.00		\$0.00	18.0	\$324.00	11.0	\$198.00	3.0	\$54.00		\$0.00		\$0.00
Michigan 10 Metals	\$60.00	32.0	\$1,920.00		\$0.00	18.0	\$1,080.00	11.0	\$660.00	3.0	\$180.00		\$0.00		\$0.00
Sodium	\$18.00	32.0	\$576.00		\$0.00	18.0	\$324.00	11.0	\$198.00	3.0	\$54.00		\$0.00		\$0.00
Disp. Gloves (100)	\$15.00	3.0	\$45.00		\$0.00	2.0	\$30.00	1.0	\$15.00		\$0.00		\$0.00		\$0.00
Chloride - soil	\$37.00	12.0	\$444.00		\$0.00	12.0	\$444.00		\$0.00		\$0.00		\$0.00		\$0.00
Terra Probe	\$4,000.00	1.0	\$4,000.00		\$0.00	1.0	\$4,000.00		\$0.00		\$0.00		\$0.00		\$0.00

SubTotal Estimated Subcontractors \$12,669.00 \$0.00 \$9,082.00 \$2,843.00 \$744.00 \$0.00 \$0.00
 Subcontractors Mark Up 5.0% \$ 633 \$ - \$ 454 \$ 142 \$ 37 \$ - \$ -

Total Subcontractors **\$13,302.00** **\$0.00** **\$9,536.00** **\$2,985.00** **\$781.00** **\$0.00** **\$0.00**

Material & Expenses	Rate	Total Units	Total Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost
Water Level Indicator	\$15.00	5.0	\$75.00		\$0.00	2.0	\$30.00	2.0	\$30.00	1.0	\$15.00		\$0.00		\$0.00
PE Tubing 1/4 " OD (peristaltic pump) 25-ft	\$12.50	14.0	\$176.00		\$0.00	6.0	\$75.00	7.0	\$88.00	1.0	\$13.00		\$0.00		\$0.00
Peristaltic Pump	\$100.00	3.0	\$300.00		\$0.00	3.0	\$300.00	2.0	\$200.00	1.0	\$100.00		\$0.00		\$0.00
Silicone Tubing - (peristaltic pump)	\$2.50	21.0	\$53.00		\$0.00		\$0.00	15.00	\$38.00	6.0	\$15.00		\$0.00		\$0.00
Other - Ice	\$3.00	12.0	\$36.00		\$0.00	4.0	\$12.00	6.00	\$18.00	2.0	\$6.00		\$0.00		\$0.00
PID	\$75.00	2.0	\$150.00		\$0.00	2.0	\$150.00		\$0.00		\$0.00		\$0.00		\$0.00
Multi-Parameter Water Quality Meter	\$135.00	5.0	\$675.00		\$0.00	2.0	\$270.00	2.00	\$270.00	1.0	\$135.00		\$0.00		\$0.00
Filters, In-line Low Capacity	\$9.00	23.0	\$207.00		\$0.00	10.0	\$90.00	10.00	\$90.00	3.0	\$27.00		\$0.00		\$0.00
methanol kit	\$10.00	20.0	\$200.00		\$0.00	20.0	\$200.00		\$0.00		\$0.00		\$0.00		\$0.00
well permits	\$58.00	1.0	\$58.00		\$0.00	1.0	\$58.00		\$0.00		\$0.00		\$0.00		\$0.00

SubTotal Estimated Material & Expenses \$1,930.00 \$0.00 \$885.00 \$734.00 \$311.00 \$0.00 \$0.00
 Material & Expenses Mark Up 5.0% \$ 97 \$ - \$ 44 \$ 37 \$ 16 \$ - \$ -

Total Material & Expenses **\$2,027.00** **\$0.00** **\$929.00** **\$771.00** **\$327.00** **\$0.00** **\$0.00**

Total Estimated Hours 177 5 67 47 12 39 7

Total Cost **\$26,691.00** **\$325.00** **\$14,553.00** **\$6,576.00** **\$1,802.00** **\$2,749.00** **\$686.00**



**EXHIBIT 1
FEE PROPOSAL
415 West Washington
City of Ann Arbor**

Task 4 - Planning Estimates For Remediation

415 W. Washington St.

11-Oct-12

Labor Category	Hourly Rate	Total Estimated Hours	Total Estimated Cost	Feasibility Study		Feasibility Study/Remedial Options Meeting	
				Hours	Cost	Hours	Cost
Rauss	\$74.00	11.0	\$814.00	8.0	\$592.00	3.0	\$222.00
McCall	\$103.00	10.0	\$1,030.00	8.0	\$824.00	2.0	\$206.00
Rabideau	\$126.00	10.0	\$1,260.00	8.0	\$1,008.00	2.0	\$252.00
Capodivacca	\$63.00	8.0	\$504.00	8.0	\$504.00		\$0.00
Dechy	\$54.00	16.0	\$864.00	16.0	\$864.00		\$0.00

Total Estimated Labor \$ 4,472.00 \$ 3,792.00 \$ 680.00

Total Labor **\$ 4,472.00** **\$ 3,792.00** **\$ 680.00**

Travel	Rate	Total Units	Total Cost	Units	Cost	Units	Cost
Mileage	\$0.55	10.0	\$6.00		\$0.00	10.0	\$6.00

Total Travel **\$6.00** **\$0.00** **\$6.00**

Total Estimated Hours

Total Cost **\$4,478.00** **\$3,792.00** **\$686.00**