



**COST ESTIMATE: LIMITED PHASE II ESA
ROAD RES-Q
1 Main St, Essex Jct, VT
May 21, 2019**

WORK ELEMENT / TASK	UNITS	CATEGORY	QTY	RATE	COST	TASK TOTAL
WORK PLAN, COORDINATION, MEETINGS (90% PCF ELIGIBLE)						
REVIEW, COORDINATION, WORK PLAN	HR	WHEM-SENIOR HYDROGEOLOGIST	2.0	\$115.00	\$230.00	
WORK PLAN PREPARATION (IRULE COMPLIANT)	HR	WHEM-STAFF SCIENTIST	6.0	\$80.00	\$480.00	
SITE PLAN DRAFTING	HR	WHEM-DRAFTSMAN	2.0	\$70.00	\$140.00	
PRE-MARK, DIGSAFE	HR	WHEM-STAFF SCIENTIST	1.0	\$80.00	\$80.00	
ADMIN, PCF SETUP	HR	WHEM-STAFF SCIENTIST	2.0	\$55.00	\$110.00	\$1,040
					<i>PCF Eligible</i>	\$936
CCRPC COORDINATION & BRELLA APPLICATION (NOT PCF ELIGIBLE)						
CCRPC MEETINGS, REQUESTS	HR	WHEM-SENIOR HYDROGEOLOGIST	4.0	\$115.00	\$460.00	
BRELLA APPLICATION	HR	WHEM-SENIOR HYDROGEOLOGIST	1.0	\$115.00	\$115.00	
BRELLA APPLICATION FEE	LUMP	VT DEC	1.0	\$500.00	\$500.00	\$1,075
DRILLING - 1 MONITORING WELL (90% PCF ELIGIBLE)						
DRILLING OVERSIGHT, SOIL SAMPLING, WELL DEVELOP	HR	STAFF SCIENTIST	4.0	\$80.00	\$320.00	
MOB / DEMOB - GEOPROBE	LUMP	AZTECH	1.0	\$583.00	\$583.00	
DRILL RIG - DAY RATE	DAY	AZTECH	0.5	\$1,650.00	\$825.00	
DRILLING MATERIALS (acetate sleeves)	FT	AZTECH	15.0	\$1.65	\$24.75	
WELL MATERIALS (1" PVC)	FT	AZTECH	15.0	\$11.00	\$165.00	
WELL MATERIALS (WELL BOXES)	EA	AZTECH	1.0	\$141.90	\$141.90	
EQUIPMENT - PID	DAY	EQUIPMENT	1.0	\$90.00	\$90.00	
EQUIPMENT - SOIL SAMPLING CHARGE	EA	EQUIPMENT	1.0	\$5.00	\$5.00	
EQUIPMENT - PERISTALTIC PUMP	DAY	EQUIPMENT	1.0	\$50.00	\$50.00	
MILEAGE	EA	EXPENSE	22.0	\$0.58	\$12.76	\$2,217
						<i>PCF Eligible</i>
						\$1,996
SOIL SAMPLING - PETROLEUM (PCF ELIGIBLE)						
LAB - PETROLEUM VOCS BY 8260B (PCF)	EA	ENDYNE	1.0	\$140.00	\$140.00	\$140
						<i>PCF Eligible</i>
						\$140
SOIL SAMPLING - PAHS & METALS (NOT PCF ELIGIBLE)						
LAB - PAHS BY 8270 (SOILS)		SAMPLI ENDYNE	1.0	\$125.00	\$125.00	
LAB - RCRA 8 METALS (SOILS)		SAMPLI ENDYNE	1.0	\$140.00	\$140.00	\$265
GROUNDWATER SAMPLING - 4 MONITORING WELLS (PCF ELIGIBLE)						
GROUNDWATER SAMPLING	HR	STAFF SCIENTIST	3.0	\$80.00	\$240.00	
EQUIPMENT - LOW FLOW SETUP	DAY	EQUIPMENT	1.0	\$170.00	\$170.00	
EQUIPMENT - POLYPROBE TUBING	FT	EQUIPMENT	15.0	\$0.30	\$4.50	
LAB - PETROLEUM VOCS BY 8260C (MW'S)		SAMPLI ENDYNE	1.0	\$140.00	\$140.00	
LAB - PETROLEUM VOCS BY 8260C (QA/QC)		SAMPLI ENDYNE	0.0	\$140.00	\$0.00	
MILEAGE	MI	WHEM	22	\$0.58	\$12.76	\$567
						<i>PCF Eligible</i>
						\$567
REPORT PREPARATION (PCF ELIGIBLE)						
DATA MANAGEMENT	HR	STAFF SCIENTIST	2.0	\$80.00	\$160.00	
WELL LOGS	HR	STAFF SCIENTIST	1.0	\$80.00	\$80.00	
PLAN DRAFTING	HR	DRAFTMAN	1.0	\$70.00	\$70.00	
LETTER REPORT	HR	PROJECT SCIENTIST	6.0	\$100.00	\$600.00	
REPORT REVIEW	HR	SENIOR HYDROGEOLOGIST	1.0	\$115.00	\$115.00	
ADMINISTRATIVE	HR	ADMINISTRATOR	2.0	\$55.00	\$110.00	\$1,135
						<i>PCF Eligible</i>
						\$1,016

SUBTOTAL: \$6,440

PCF ELIGIBLE: \$4,655

NOT PCF ELIGIBLE: \$1,785

TERMS AND CONDITIONS

- This is not a fixed cost estimate. Costs may be slightly lower or higher than estimated above. Costs will not exceed the total specified above by more than 10% without prior authorization of the client.
- This estimate is based on standard field conditions. Extreme weather or difficult drilling/excavating conditions may result in increased costs.
- Work outside the scope of services (hearings, meetings, revisions, etc.) will be billed on a time-and-materials basis.
- Terms of Payment: Net 30 days, regardless of the outcome, results, or permit approval/denial. Interest of 2.0% per month may be charged on balances more than 30 days overdue.
- Rates valid for 2019.
- A retainer of _____ dollars (\$) or no retainer is due with this signed estimate.
- There are recognized risks and benefits associated with this project to both the Client and to Waite-Heindel Environmental Management, LLC (WHEM). The Client agrees that in consideration of WHEM accepting the obligations imposed on it by this Agreement, the Client shall claim no liability on the part of WHEM or any sub-consultants, construction contractors, and subcontractors involved with this project that exceeds the total fee charged by WHEM for services rendered, and hereby releases WHEM from any and all liability in excess of that total fee. This limitation of liability and release applies to all claims, including without limitation those arising from allegations of professional errors or omissions, strict liability, breach of contract or warranty.

Miles E. Waite
Owner, Senior Hydrogeologist

Date

Date
CLIENT/AUTHORIZED SIGNATURE SMS Site #96-193

WHEM Project #2019-9