



COST ESTIMATE: ADDITIONAL SITE INVESTIGATION & CORRECTIVE ACTION PLANNING

New York Cleaners
110 Heineberg Drive, Colchester, VT
May 21, 2019

SMS #2007-37

WORK ELEMENT / TASK	UNITS	CATEGORY	QTY	RATE/	ELEMENT	TASK	
WORKPLAN, COORDINATION, MEETINGS							
PHASE I ESA FOLLOW-UP	HR	WHEM - PROJECT SCIENTIST	4.0	\$80.00	\$320.00		
REDEVELOPMENT PLAN DRAFTING	HR	WHEM - DRAFTSMAN	8.0	\$75.00	\$600.00		
WELL LOCATING & DIGSAFE MARKING	HR	WHEM - STAFF SCIENTIST	4.0	\$75.00	\$300.00		
STATE CORRESPONDENCE	HR	WHEM - SENIOR HYDROGEOLOGIST	2.0	\$115.00	\$230.00		
CLIENT CORRESPONDENCE, MEETINGS	HR	WHEM - SENIOR HYDROGEOLOGIST	6.0	\$115.00	\$690.00		
WORKPLAN, COORDINATION	HR	WHEM - PROJECT SCIENTIST	12.0	\$80.00	\$960.00		
MILEAGE	MI	WHEM - EXPENSE	25.0	\$0.58	\$14.50	\$3,115	
						80% CCRPC	\$2,492
CCRPC COORDINATION							
CCRPC MEETINGS, REQUESTS	HR	WHEM-SENIOR HYDROGEOLOGIST	8.0	\$115.00	\$920.00		
BRELLA APPLICATION	HR	WHEM-SENIOR HYDROGEOLOGIST	1.0	\$115.00	\$115.00	\$1,035	
						80% CCRPC	\$828
BRELLA APPLICATION FEE							
BRELLA APPLICATION FEE	LUMP	VT DEC	1.0	\$500.00	\$500.00	\$500	
INTERIOR WORK: SOIL BORING, SUB-SLAB SOIL VAPOR POINT INSTALLATION AND CONCRETE SAMPLING							
SOIL BORING & VAPOR POINT INSTALLATION	HR	WHEM - STAFF GEOLOGIST	10.0	\$70.00	\$700.00		
SOIL BORING & VAPOR POINT INSTALLATION	HR	WHEM - STAFF SCIENTIST	10.0	\$70.00	\$700.00		
EQUIPMENT - HAND AUGER	DAY	WHEM - EQUIPMENT	1.0	\$35.00	\$35.00		
EQUIPMENT - PID	DAY	WHEM - EQUIPMENT	1.0	\$90.00	\$90.00		
EQUIPMENT - CONCRETE CORE DRILL	DAY	WHEM - EQUIPMENT	1.0	\$80.00	\$80.00		
EQUIPMENT - HAMMER DRILL	DAY	WHEM - EQUIPMENT	1.0	\$80.00	\$80.00		
EQUIPMENT - HELIUM DETECTOR	DAY	GEOTECH - RENTAL	1.0	\$90.00	\$90.00		
EQUIPMENT - HELIUM SOURCE AND SHROUD	DAY	WHEM - EQUIPMENT	1.0	\$35.00	\$35.00		
EQUIPMENT - MICROMANOMETER	DAY	WHEM - EQUIPMENT	1.0	\$90.00	\$90.00		
EQUIPMENT - VAPOR PROBE MATERIALS	EA	WHEM - EQUIPMENT	1.0	\$80.00	\$80.00		
EQUIPMENT - DECON MATERIALS	DAY	WHEM - EQUIPMENT	1.0	\$15.00	\$15.00		
EQUIPMENT - SOIL SAMPLING CHARGE	EA	WHEM - EQUIPMENT	3.0	\$5.00	\$15.00		
LAB - VOCS BY 8260 (SOIL)	EA	ENDYNE LABRATORY	3.0	\$154.00	\$462.00		
LAB - VOCS BY 8260 (CONCRETE)	EA	ENDYNE LABRATORY	3.0	\$154.00	\$462.00		
MILEAGE	MI	WHEM - EQUIPMENT	40.0	\$0.58	\$23.20	\$2,957	
						80% CCRPC	\$2,366
EXTERIOR WORK: DRILLING - 3 MONITORING WELLS & 1 VAPOR POINT							
DRILLING OVERSIGHT	HR	WHEM - PROJECT SCIENTIST	4.0	\$80.00	\$320.00		
DRILLING OVERSIGHT, VAPOR POINT	HR	WHEM - STAFF SCIENTIST	10.0	\$70.00	\$700.00		
MOB / DEMOB - GEOPROBE	LUMP	AZTECH	1.0	\$583.00	\$583.00		
DRILL RIG - DAY RATE	DAY	AZTECH	1.0	\$1,650.00	\$1,650.00		
DRILLING MATERIALS (acetate sleeves)	FT	AZTECH	45.0	\$1.65	\$74.25		
WELL MATERIALS (1" PVC)	FT	AZTECH	45.0	\$11.00	\$495.00		
WELL MATERIALS (WELL BOXES)	EA	AZTECH	3.0	\$141.90	\$425.70		
EQUIPMENT - VAPOR PROBE MATERIALS	EA	WHEM - EQUIPMENT	1.0	\$80.00	\$80.00		
EQUIPMENT - PID	DAY	WHEM - EQUIPMENT	1.0	\$90.00	\$90.00		
EQUIPMENT - HELIUM DETECTOR	DAY	GEOTECH RENTAL	0.5	\$90.00	\$45.00		
EQUIPMENT - MICROMANOMETER	DAY	WHEM - EQUIPMENT	0.5	\$90.00	\$45.00		
EQUIPMENT - HELIUM SOURCE AND SHROUD	DAY	WHEM - EQUIPMENT	0.5	\$35.00	\$17.50		
EQUIPMENT - SOIL SAMPLING CHARGE	EA	WHEM - EQUIPMENT	2.0	\$5.00	\$10.00		
LAB -VOCS BY 8260	EA	ENDYNE LABRATORY	2.0	\$140.00	\$280.00		
MILEAGE	EA	WHEM - EXPENSE	25.0	\$0.58	\$14.50	\$4,830	
						80% CCRPC	\$3,864
SUB-SLAB, SOIL VAPOR AND AMBIENT OUTDOOR SAMPLING							
SOIL VAPOR SAMPLING	HR	WHEM - STAFF SCIENTIST	6.0	\$70.00	\$420.00		
EQUIPMENT - MICROMANOMETER	DAY	WHEM - EQUIPMENT	1.0	\$90.00	\$90.00		
LAB -VOCS BY TO-15	EA	TESTAMERICA LABORATORY	4.0	\$192.50	\$770.00		
LAB - BATCH CERTIFICATION	EA	TESTAMERICA LABORATORY	4.0	\$50.00	\$200.00		
LAB -FLOW CONTROLLER RENTAL	EA	TESTAMERICA LABORATORY	4.0	\$25.00	\$100.00		
TRAVEL MILEAGE	MI	WHEM - EXPENSE	25.0	\$0.58	\$14.50	\$1,595	
						80% CCRPC	\$1,276
TOP OF CASING AND SITE SURVEY/MW DEVELOPMENT/MW REPAIR							
SURVEY CREW, MW REPAIR/DEVELOP	HR	WHEM - SURVEY CREW	6.0	\$165.00	\$990.00		
WELL REPAIR SUPPLIES	LUMP	WHEM - EQUIPMENT	1.0	\$150.00	\$150.00		
SURVEY REDUCTION	HR	WHEM - DRAFTSMAN	2.0	\$75.00	\$150.00		
EQUIPMENT: TOTAL STATION SURVEY	EA	WHEM - EQUIPMENT	1.0	\$85.00	\$85.00		
EQUIPMENT - PERISTALTIC PUMP	DAY	WHEM - EQUIPMENT	1.0	\$50.00	\$50.00		
EQUIPMENT - WATER LEVEL PROBE	DAY	WHEM - EQUIPMENT	2.0	\$30.00	\$60.00	\$1,485	
						80% CCRPC	\$1,188
GROUNDWATER SAMPLING (14 MONITORING WELLS)							
GROUNDWATER SAMPLING	HR	WHEM - STAFF SCIENTIST	12.0	\$80.00	\$960.00		
GROUNDWATER SAMPLING	HR	WHEM - STAFF SCIENTIST	12.0	\$80.00	\$960.00		
EQUIPMENT - WATER LEVEL PROBE	DAY	WHEM - EQUIPMENT	2.0	\$30.00	\$60.00		
EQUIPMENT - PERISTALTIC LOW-FLOW PUMP	DAY	WHEM - EQUIPMENT	2.0	\$50.00	\$100.00		
EQUIPMENT - TURBIDITY METER	DAY	WHEM - EQUIPMENT	2.0	\$30.00	\$60.00		
EQUIPMENT - SILICON TUBING	FT	WHEM - EQUIPMENT	7.0	\$2.50	\$17.50		
EQUIPMENT - POLYPROBE TUBING	FT	WHEM - EQUIPMENT	280.0	\$0.30	\$84.00		
EQUIPMENT - WELL SAMPLING CHARGE	EA	WHEM - EQUIPMENT	14.0	\$10.00	\$140.00		
LAB - VOCS BY 8260C (MW'S)	SAMPLE	ENDYNE LABRATORY	14.0	\$154.00	\$2,156.00		
LAB - VOCS BY 8260C (QA/QC)	SAMPLE	ENDYNE LABRATORY	2.0	\$154.00	\$308.00		
MILEAGE	MI	WHEM - EXPENSE	25.0	\$0.58	\$14.50	\$4,860	



**COST ESTIMATE: ADDITIONAL SITE INVESTIGATION &
CORRECTIVE ACTION PLANNING**
New York Cleaners
110 Heineberg Drive, Colchester, VT
May 21, 2019
SMS #2007-37

WORK ELEMENT / TASK	UNITS	CATEGORY	QTY	RATE/	ELEMENT	TASK
						80% CCRPC
WASTEWATER SYSTEM RE-SAMPLE (PUMP STATION & 3000-G SEPTIC TANK)						\$3,888
WASTEWATER SYSTE SAMPLING	HR	WHEM - STAFF SCIENTIST	2.0	\$80.00	\$160.00	
EQUIPMENT - SAMPLING CHARGE	EA	WHEM - EQUIPMENT	2.0	\$10.00	\$20.00	
LAB - VOCS BY 8260C (MW'S)	SAMPLE	ENDYNE LABRATORY	2.0	\$154.00	\$308.00	\$488
						80% CCRPC
CORRECTIVE ACTION PLAN (CAP)						\$390
DATA MANAGEMENT	HR	WHEM - STAFF SCIENTIST	12.0	\$70.00	\$840.00	
CAP PREPARATION	HR	WHEM - PROJECT SCIENTIST	40.0	\$80.00	\$3,200.00	
CAP REPARATION/REVIEW	HR	SENIOR HYDROGEOLOGIST	8.0	\$115.00	\$920.00	
PLAN DRAFTING	HR	DRAFTSMAN	8.0	\$75.00	\$600.00	
P.E. REWVIEW OF CAP	LUMP	DUBOIS & KING ENV. ENG	1.0	\$1,000.00	\$1,000.00	
ADMINISTRATIVE	HR	ADMINISTRATOR	12.0	\$55.00	\$660.00	\$7,220
						80% CCRPC
						\$5,776
TOTAL						\$28,084
ELIGIBLE FOR CCRPC BROWNFIELD FUNDING (80%)						\$22,067
TO BE COVERED BY CLIENT (20%)						\$6,017

TERMS AND CONDITIONS

1. 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.
2. This estimate is based on standard field conditions. Extreme weather or difficult drilling/excavating conditions may result in increased costs.
3. Work outside the scope of services (hearings, meetings, revisions, etc.) will be billed on a time-and-materials basis.
4. 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.
5. Rates valid for 2019
6. A retainer of _____dollars (\$) or _____ retainer is due with this signed estimate.
7. There are recognized risks and benefits associated with this project to both the Client and to Waite-Heindel Environmental Management (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 _____ Date
Owner, Senior Hydrogeologist

Dan albrecht _____ Date
Client/Authorized Signature