



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia Purchase Order

Order Date: 05-18-2022

CORRECT ORDER NUMBER MUST APPEAR
 ON ALL PACKAGES, INVOICES, AND
 SHIPPING PAPERS. QUESTIONS
 CONCERNING THIS ORDER SHOULD BE
 DIRECTED TO THE DEPARTMENT
 CONTACT.

Order Number:	CPO 0313 0313 DEP2200000011 2	Procurement Folder:	934376
Document Name:	EOI: South Charleston Landfill Expanded Site Investigation	Reason for Modification:	Change Order #1 issued for cost increase and time extension.
Document Description:	Change Order #1 - Cost Increase and Time Extension		
Procurement Type:	Central Purchase Order		
Buyer Name:	Joseph E Hager III		
Telephone:	(304) 558-2306		
Email:	joseph.e.hageriii@wv.gov		
Shipping Method:	Best Way	Effective Start Date:	2021-09-10
Free on Board:	FOB Dest, Freight Prepaid	Effective End Date:	2023-05-16

VENDOR		DEPARTMENT CONTACT																
Vendor Customer Code:	VC0000102886	Requestor Name:	Jessica S Chambers															
TECHLAW CONSULTANTS INC 14840 CONFERENCE CENTER DR STSE 200 CHANTILLY VA 20151 US		Requestor Phone:	304-926-0499															
Vendor Contact Phone:	703-818-3278	Requestor Email:	jessica.s.chambers@wv.gov															
Extension:		<div style="font-size: 48px; font-weight: bold;">22</div> <div style="font-size: 24px; font-weight: bold;">FILE LOCATION _____</div>																
Discount Details:																		
	<table border="1"> <thead> <tr> <th>Discount Allowed</th> <th>Discount Percentage</th> <th>Discount Days</th> </tr> </thead> <tbody> <tr> <td>#1 No</td> <td>0.0000</td> <td>0</td> </tr> <tr> <td>#2 Not Entered</td> <td></td> <td></td> </tr> <tr> <td>#3 Not Entered</td> <td></td> <td></td> </tr> <tr> <td>#4 Not Entered</td> <td></td> <td></td> </tr> </tbody> </table>			Discount Allowed	Discount Percentage	Discount Days	#1 No	0.0000	0	#2 Not Entered			#3 Not Entered			#4 Not Entered		
Discount Allowed	Discount Percentage			Discount Days														
#1 No	0.0000			0														
#2 Not Entered																		
#3 Not Entered																		
#4 Not Entered																		

INVOICE TO	SHIP TO
ENVIRONMENTAL PROTECTION OFFICE OF ENVIRONMENTAL REMEDIATION 601 57TH ST SE CHARLESTON WV 25304 US	ENVIRONMENTAL PROTECTION 601 57TH ST CHARLESTON WV 25304 US

Purchasing Division's File Copy

Total Order Amount:	\$60,427.14
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ENTERED

PURCHASING DIVISION AUTHORIZATION DATE: <i>Linda Harper 5/19/22</i> ELECTRONIC SIGNATURE ON FILE	ATTORNEY GENERAL APPROVAL AS TO FORM DATE: <i>JD & Gray</i> ELECTRONIC SIGNATURE ON FILE	ENCUMBRANCE CERTIFICATION DATE: <i>Beverly Toke 5-25-22</i> ELECTRONIC SIGNATURE ON FILE
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5/25/2022

Extended Description:

Change Order #1 is for a Cost Increase and a One-Year Time Extension

Change Order #1 is to increase the overall cost of the CPO DEP22*11, which is necessary for completion of the project and extend the original contract according to all terms, conditions, prices and specifications contained in the original contract including all authorized change orders.

Original Contract	\$ 48,727.64
Change Order #1 Increase	\$ 11,699.50
New Total	\$ 60,427.14

Effective date extends one (1) year to: 5-17-2022 to 5-16-2023

All provisions of the original contract and subsequent change orders not modified herein shall remain in full force and effect.

Line	Commodity Code	Quantity	Unit	Unit Price	Total Price
1	81100000	0.00000		0.000000	60427.14
Service From	Service To	Manufacturer	Model No		
2021-09-10	2023-05-16				

Commodity Line Description: EOI: Engineering Design Services

Extended Description:

Professional Engineering Services Contract
South Charleston Landfill
Expanded Site Investigation



west virginia department of environmental protection

Division of Land Restoration
Office of Environmental Remediation
601 57th Street, SE
Charleston, WV 25304
(304) 926-0499

Harold Ward, Cabinet Secretary
dep.wv.gov

TO: Jessica Chambers-Smith, Procurement Manager
Administrative Services - Business Operations Office

FROM: Jason McDougal, Program Manager
Landfill Closure Assistance Program


DATE: April 25, 2022

SUBJECT: Change Order # 1; Cost Increase and Time Extension
CPO DEP22*11 EOI: South Charleston Landfill Expanded Site Investigation

*OK
Linda Harper
5/18/2022*

The Division of Land Restoration Office of Environmental Remediation is requesting Cost Increase of \$11,699.50 and a one (1) year Time Extension for Purchase Order # CPO DEP2200000011 for EOI: South Charleston Landfill Expanded Site Investigation.

The time extension is requested to allow for sufficient time to complete the remaining tasks under the South Charleston Landfill Expanded Site Investigation Statement of Work, Tasks 2 and 3.

Should you have any questions or would like to discuss this request further, please contact me at  or by email at jason.s.mcdougal@wv.gov.

Jason (Jake) McDougal
Program Manager-Superfund and Federal Facilities Restoration
WVDEP-DLR-Office of Environmental Remediation

We, TechLaw Consultants, Inc., agree to extend the contract for a period as stated above according to all terms, conditions, prices, and specifications contained in the original contract, including all authorized change orders.

Judith Manley
Name/Signature

4/26/2022
Date

Change Order Proposal

SUMMARY

Due to unanticipated changes in the South Charleston Landfill Expanded Site Investigation (SCLF ESI) project schedule, and increases in the projected planning and field effort due to an increase in the anticipated investigation area and number of proposed sample locations and quantities, and costs for raw materials and supplies, travel, and fuel that were originally identified in the Proposed Work Plan/Cost Proposal (the Cost Proposal), it is anticipated that the project will require an extension beyond the 1-year period of performance (POP) and an increase in budget to complete the remaining tasks identified in the Statement of Work (SOW). The description of the proposed changes are further detailed under Technical Approach and Proposed Costs. In summary, based on the factors described below, TechLaw proposes an extension to the POP of 1 year and a cost increase of \$11,699.50 be added to complete the Task 2 and Task 3 described in the SOW.

I. CONTACT INFORMATION

Joe Carter
Project Manager
TechLaw Consultants, Inc.
304-907-0621
Joe.carter@techlawinc.com

II. TECHNICAL APPROACH

Schedule delays occurred due to several factors in the initial planning phase of the project that were not anticipated in the Cost Proposal and which resulted in postponement of a projected late fall 2021 sampling event until approximately mid-late spring 2022. The factors included additional time for preparation of the Sampling and Analysis Plan (SAP) to, 1) evaluate extensive historical documents to assess and document data gaps, clarify historical disposal locations, evaluate additional watershed information, and plan additional samples, 2) obtain more-recent data from other sources on contamination in Site media, and 3) provide additional deliverable review time for regulatory authorities. Currently, the draft SAP is under review by regulatory personnel. Preparations and sampling activities are currently anticipated to commence in mid-late spring 2022 after approval of the SAP by regulatory authorities. The anticipated time to complete the field effort, EPA Contract Lab Program (CLP) laboratory analysis and data validation, data management and review, draft and final versions of the ESI report, and confidential enforcement memo, plus meetings and review time is anticipated to extend into 2023. Therefore, a 1-year extension of the POP is requested to allow sufficient time to complete the remaining tasks under the SOW.

An increase in the number of sample locations to evaluate the surface water pathway is anticipated under Task 2 due to identification of a more-extensive surface water area to be evaluated than originally anticipated in the proposal. The Two and Three Quarter Mile Creek watershed was not originally considered for evaluation due to its location with respect to the Site; however, further review of historical records and topographic drainage areas surrounding the western landfill location indicate that the upper reach of Two and Three Quarter Mile Creek may receive a portion of Site runoff and therefore should be evaluated. In addition, due to the Site's location on a ridgetop above the headwater tributaries of three watersheds, additional background sample locations are proposed to provide sufficient statistical basis in support of data evaluation. Furthermore, sampling and analysis of volatile organic compounds (VOCs) in surface water was not identified in the proposal; however, recent data indicates VOCs are present in Site groundwater and therefore should be evaluated in surface water. An increase from an estimated 14 surface water, 14 sediment, and 3 leachate sample locations identified in the original proposal to approximately 23 surface water, 23 sediment and 2 leachate sample locations, plus a corresponding increase in field quality control (QC) samples to be collected is proposed to complete the surface water pathway evaluation for the SCLF ESI. The field effort to complete the proposed investigation includes an additional total of 60 hours of labor for a three person sampling team. This effort includes one additional 12-hour field day and one additional Technician (increasing the field team from two to three persons) to assist with collecting and carrying samples from remote walk-to locations, sample management, and packaging and shipping of the samples to meet holding times.

Under Task 3, Final Report, a cost and labor hours increase of 10% is proposed to support the evaluation and incorporation of the additional sample data into the final report.

III. PROPOSED COSTS

The attached tables (please see Attachment 1) detail the proposed changes in hours and costs under Task 2 and Task 3 to support the changes described in the technical approach. Original Cost Proposal detail is provided in the tables next to the Proposed Change Order Adjustments (the shaded areas). Proposed change order adjustments provide updated rates and unit quantities based on the technical approach that are in addition to the rates and quantities in the original Cost Proposal. While there are no proposed changes to labor rates, the materials and supplies costs, per diem, and travel costs, were adjusted using current supplier pricing, U.S. General Services Administration (GSA) travel and per diem rates, and fuel costs, which in many cases has undergone increases due to raw material inflation, supply chain shortage and spikes in global oil and fuel costs since the original Cost Proposal. A cost increase of \$10,639.50 is proposed to support Task 2 planning and site assessment activities as described under Technical Approach. The proposed cost increase for Task 2 funds the additional costs to complete the SAP, including the review and comment cycle, and labor, materials and supplies to conduct the fieldwork and collect the additional samples. A cost increase of \$1,060.00 is proposed for Task 3, Final Report, to fund the effort to evaluate and incorporate the additional data generated during execution of the proposed Technical Approach into the final report. In summary, TechLaw

Change Order Proposal for: CPO DEP2200000011; Expanded Site
Investigation, South Charleston Landfill
Period of Performance: 6/2/2021 - 6/1/2022

Modification Number: 00001
Revision 1
May 9, 2022

proposes in this change order request an extension to the POP for 1 year and a cost increase of \$11,699.50 to fund completion of Task 2 and Task 3 activities and support the increase in scope from what was originally anticipated in the original Cost Proposal.

Change Order Proposal for: CPO DEP2200000011; Expanded Site
Investigation, South Charleston Landfill
Period of Performance: 6/2/2021 - 6/1/2022

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Attachment 1
Proposed Costs

Cost Summary

May 9, 2022

South Charleston LF
Expanded Site Investigation West Virginia Department of Environmental Protection-OER

Tasks	Proposed Change Order Adjustment		
	Cost	Prop. Adj Cost	Prop. Adj Ceiling
Task 1 - Initial Site Visit	\$ 2,957.08	\$ -	\$ 2,957.08
Task 2 - Develop a Sampling and Analysis Plan	\$ 8,470.00	\$ 3,200.00	\$ 11,670.00
Task 2 - Site Assessment	\$ 26,550.55	\$ 7,439.50	\$ 33,990.05
Task 3 - Final Report	\$ 10,750.00	\$ 1,060.00	\$ 11,810.00
Total Cost	\$ 48,727.64	\$ 11,699.50	\$ 60,427.14

NOTES

- 1) The consultant shall be responsible for the cost of sample cooler shipping and will provide all other miscellaneous field materials and equipment including personal protective equipment (PPE), disposables, sample cooler packing materials, labels, chain of custody forms, and limited field sampling equipment. The cost of low-flow/low-drawdown equipment, boating or diving equipment, "En-Core" or "Terra Core" samplers, field analytical and monitoring equipment, mobile laboratories, and drilling or direct-push equipment will be the responsibility of consultant. (Task 2. Bullets 3 and 4 (Task 2. B3 & B4))
- 2) The consultant will provide all decontamination materials including, but not limited to distilled, deionized, and potable water, detergent, reagents, and approved DOT storage containers and labels for on-site storage of decontamination materials (Task 2.B5)
- 3) The consultant will provide approved DOT containers and labels for storage of on-site investigative-derived waste (IDW). The consultant will sample the drums of IDW for disposal characterization and submit to a WVDEP contract laboratory for analysis. The cost of analytical for IDW characterization will be the responsibility of the consultant. (Task 2.B6)
- 4) Analytical data interpretation for disposal and IDW management will be the responsibility of the consultant. (Task 2.B7)
- 5) Direct cost, Other direct costs (ODCs) and any indirect costs shall be incorporated into the above unit prices.
- 6) The quote shall be accompanied by a breakdown of cost per line item.
- 7) The WVDEP may exercise the options at any time during the performance of this delivery order. The Government will provide at a minimum a ten (10) calendar day notice prior to exercising any options.



Proposed Rates and Pricing

May 9, 2022

South Charleston LF
Expanded Site Investigation West Virginia Department of Environmental Protection-OER

Proposed Rates (WVDEP SOW)

Labor Category	Rate/hr
Project Manager	\$ 110.00
Field Operations Manager	\$ 85.00
Hydrogeologist	\$ 95.00
Geologist	\$ 70.00
Chemist	\$ 75.00
Environmental Scientist	\$ 70.00
QA/QC Officer	\$ 100.00
Technician	\$ 60.00
Laborer	\$ 55.00
CADD Operator	\$ 80.00
Administrative	\$ 60.00

*Note all labor rates are below established GSA rate schedule by relevant category

Pricing Breakdown

Task 1 - Site Visit

Conduct Site visit and private well survey

<i>Labor</i>	<i>Hours</i>	<i>Rate</i>	<i>Total</i>
Project Manager	12	\$ 110.00	\$ 1,320.00
Environmental Scientist	12	\$ 70.00	\$ 840.00
Administrative	2	\$ 60.00	\$ 120.00
<i>Labor Total</i>			\$ 2,280.00
<i>Travel Costs</i>			\$ 677.08
Total - Task 1 Site Visit	26		\$ 2,957.08

Task 2 - Develop SAP

Develop Draft and Final SAPs

<i>Labor</i>	<i>Hours</i>	<i>Rate</i>	<i>Total</i>
QA/QC Officer	2	\$ 100.00	\$ 200.00
Project Manager	24	\$ 110.00	\$ 2,640.00
Hydrogeologist	2	\$ 95.00	\$ 190.00
CADD Operator	30	\$ 80.00	\$ 2,400.00
Environmental Scientist	40	\$ 70.00	\$ 2,800.00
Administrative	4	\$ 60.00	\$ 240.00
Total - Task 2 Develop SAP	102		\$ 8,470.00

Proposed Change Order Adjustment - Task 2 Develop SAP

Task 2 - Develop SAP

Develop Draft and Final SAPs

<i>Labor</i>	<i>Hours</i>	<i>Rate</i>	<i>Total</i>
QA/QC Officer	-0.1	\$ 100.00	\$ (10.00)
Project Manager	53	\$ 110.00	\$ 5,830.00
Hydrogeologist	0	\$ 95.00	\$ -
CADD Operator	-5	\$ 80.00	\$ (400.00)
Environmental Scientist	-30	\$ 70.00	\$ (2,100.00)
Administrative	-2	\$ 60.00	\$ (120.00)
Total - Task 2 Develop SAP	15.9		\$ 3,200.00

Task 2 - Site Assessment

Subtask - Laboratory Analytical Services

Coordination

<i>Labor</i>	<i>Hours</i>	<i>Rate</i>	<i>Total</i>
Project Manager	2	\$ 110.00	\$220.00
Chemist	5	\$ 75.00	\$375.00
Administrative	2	\$ 60.00	\$120.00
Subtotal	9		\$715.00

Subtask - Property Owner Coordination/Obtain

Right of Entry

<i>Labor</i>	<i>Hours</i>	<i>Rate</i>	<i>Total</i>
Project Manager	4	\$ 110.00	\$ 440.00
Environmental Scientist	10	\$ 70.00	\$ 700.00
Administrative	2	\$ 60.00	\$ 120.00
Subtotal	16		\$ 1,260.00



Proposed Rates and Pricing

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Expanded Site Investigation West Virginia Department of Environmental Protection-OER

Subtask - Sampling Logistics and Procurement	Hours	Rate	Total
Project Manager	5	\$ 110.00	\$550.00
Environmental Scientist	4	\$ 70.00	\$280.00
Administrative	2	\$ 60.00	\$120.00
Labor Total	11		\$950.00
Equipment, Materials and Supplies			\$ 8,005.86
Subtotal			\$8,955.86

Proposed Change Order Adjustment - Subtask Sampling Logistics and Procurement			
Subtask - Sampling Logistics and Procurement	Hours	Rate	Total
Project Manager	0	\$ 110.00	\$0.00
Environmental Scientist	0	\$ 70.00	\$0.00
Administrative	0	\$ 60.00	\$0.00
Labor Total	0		\$0.00
Equipment, Materials and Supplies			\$ 1,347.87
Subtotal Sampling Logistics and Procurement			\$1,347.87

Subtask - Project Meetings w/ OER PM	Hours	Rate	Total
Project Manager	8	\$ 110.00	\$880.00
Environmental Scientist	8	\$ 70.00	\$560.00
Administrative	2	\$ 60.00	\$120.00
Labor Total	18		\$1,560.00
Travel			\$ 1,220.12
Subtotal			\$2,780.12

Proposed Change Order Adjustment - Subtask Project Meetings w/ OER PM			
Subtask - Project Meetings w/ OER PM	Hours	Rate	Total
Project Manager	0	\$ 110.00	\$0.00
Environmental Scientist	0	\$ 70.00	\$0.00
Administrative	0	\$ 60.00	\$0.00
Labor Total	0		\$0.00
Travel			\$ (261.96)
Subtotal Project Meetings w/ OER PM			(\$261.96)

Subtask - Labor Travel Costs	Hours	Rate	Total
Project Manager	36	\$ 110.00	\$ 3,960.00
Environmental Scientist	30	\$ 70.00	\$ 2,100.00
Administrative	4	\$ 60.00	\$ 240.00
Subtotal	70		\$ 6,300.00

Proposed Change Order Adjustment - Subtask Labor Travel Costs			
Subtask - Labor Travel Costs	Hours	Rate	Total
Project Manager	0	\$ 110.00	\$ -
Environmental Scientist	0	\$ 70.00	\$ -
Technician	6	\$ 60.00	\$ 360.00
Administrative	0	\$ 60.00	\$ -
Subtotal Subtask Labor Travel Costs	6		\$ 360.00

Subtask -Conduct Field Sampling Investigation	Hours	Rate	Total
Project Manager	24	\$ 110.00	\$ 2,640.00
Environmental Scientist	24	\$ 70.00	\$ 1,680.00
Technician			
Administrative	2	\$ 60.00	\$ 120.00
Total Labor	50		\$ 4,440.00
Travel Cost			\$ 2,099.57
Subtotal			\$ 6,539.57
Total - Task 2 Site Assessment	174		\$ 26,550.55

Proposed Change Order Adjustment - Subtask - Conduct Field Sampling Investigation			
Subtask - Conduct Field Sampling Investigation	Hours	Rate	Total
Project Manager	12	\$ 110.00	\$ 1,320.00
Environmental Scientist	12	\$ 70.00	\$ 840.00
Technician	36	\$ 60.00	\$ 2,160.00
Administrative	0	\$ 60.00	\$ -
Subtotal Total Labor	60		\$ 4,320.00
Travel Cost			\$ 1,673.59
Subtotal Subtask Conduct Field Sampling Investigation	60		\$ 5,993.59
Proposed Change Order Adjustment			
Task 2 Site Assessment			\$ 7,439.50



Proposed Rates and Pricing

May 9, 2022

South Charleston LF
Expanded Site Investigation West Virginia Department of Environmental Protection-OER

Task 3: Final Report

<i>Develop Draft and Final: ESI Report</i>	Hours	Rate	Total
Project Manager	40	\$ 110.00	\$ 4,400.00
QA/QC Officer	2	\$ 100.00	\$ 200.00
CADD Operator	20	\$ 80.00	\$ 1,600.00
Environmental Scientist	42	\$ 70.00	\$ 2,940.00
Administrative	2	\$ 60.00	\$ 120.00
Subtotal	106		\$ 9,260.00

<i>Proposed Change Order Adjustment - Develop Draft and Final: ESI Report</i>	Hours	Rate	Total
Project Manager	4	\$ 110.00	\$ 440.00
QA/QC Officer	0	\$ 100.00	\$ -
CADD Operator	2	\$ 80.00	\$ 160.00
Environmental Scientist	4	\$ 70.00	\$ 280.00
Administrative	0	\$ 60.00	\$ -
Subtotal Develop Draft and Final: ESI Report	10		\$ 880.00

<i>Subtask Draft Confidential Recommendations Memo and HRS Quickscore</i>	Hours	Rate	Total
Project Manager	3	\$ 110.00	\$ 330.00
QA/QC Officer	2	\$ 100.00	\$ 200.00
Environmental Scientist	12	\$ 70.00	\$ 840.00
Administrative	2	\$ 60.00	\$ 120.00
Subtotal	19		\$ 1,490.00
Total - Task 3 Final Report	125		\$ 10,750.00

<i>Subtask Draft Confidential Recommendations Memo and HRS Quickscore</i>	Hours	Rate	Total
Project Manager	1	\$ 110.00	\$ 110.00
QA/QC Officer	0	\$ 100.00	\$ -
Environmental Scientist	1	\$ 70.00	\$ 70.00
Administrative	0	\$ 60.00	\$ -
Subtotal	2		\$ 180.00
Proposed Change Order Adjustment Task 3 Final Report	12		\$ 1,060.00

Travel Labor Breakout (est.)

Description	QTY	Persons	Mobe/ Demobe Hours	Total Travel Labor	PM	ES	Notes
Initial Site Visit	1	2	6	12	6	6	
SI Sampling	1	2	6	12	6	6	
Site Meetings	4	2	6	42	24	18	2 persons*3 Meetings + 1 person*1 meeting
Total				66	36	30	

Proposed Change Order Adjustment - Description	QTY	Persons	Mobe/ Demobe Hours	Total Travel Labor	PM	ES	Tech	Notes
Initial Site Visit	0	0	0	0	0	0		
SI Sampling	0	1	6	0	0	0	6	Add one Technician mobe/demobe
Site Meetings	0	0	0	0	0	0		
Proposed Change Order Adjustment Travel Labor Breakout				0	0	0	6	



ODCs, Travel and Subcontracts Costs

May 9, 2022

South Charleston LF
Expanded Site Investigation West Virginia Department of Environmental Protection-OER

Description	Inputs	Adj. Inputs (updated March 2022)	Proposed Change Order Adjusted Inputs
<i>Location: Kanawha Co., West Virginia</i>			
Lodging	\$ 109.00	\$ -	\$ 109.00
Per Diem	\$ 56.00	\$ 8.00	\$ 64.00
Rental Car (std. incl. tax & Fees)	\$ 56.00	\$ -	\$ 56.00
Rental Truck/SUV (incl tax & fees)	\$ 64.00	\$ -	\$ 64.00
Gas, cost per gallon	\$ 2.30	\$ 1.70	\$ 4.00
POV Mileage Rate	\$ 0.575	\$ 0.01	0.585
Distance: Wheeling to Site (mi); 3 hour travel time	190	-	190
G&A (ODCs/Travel)	0.18	-	0.18
G&A (Subcontracts)	0.03	-	0.03

Task

Task 1 - Site Visit					
Travel	Rate	Unit	# of units	Total	Description
Lodging	\$109.00	per night	2	\$ 218.00	2 persons/1 night
Per Diem	\$ 56.00	per day	3	\$ 168.00	2 persons, 1 field day+1 travel Day @0.75 pd ea day
Mileage	\$ 0.575	per mile	440	\$ -	380 mi move/demobe + 60 mpd
Rental Truck	\$ 64.00	per day	2	\$ 128.00	2 days
Fuel for Vehicle(s)	\$ 2.30	per gal	26	\$ 59.80	440 miles
Subtotal				\$ 573.80	
G&A				\$ 103.28	
Total Travel: Site Visit				\$ 677.08	



ODCs, Travel and Subcontracts Costs

May 9, 2022

South Charleston LF
Expanded Site Investigation West Virginia Department of Environmental Protection-OER

Task 2 - Site Assessment						Proposed Change Order Adjustment					
	Rate	Unit	# of units	Total	Description	Change in Rate (as of March 2022) (+/-)	Proposed Change in # of Units (+/-)	Rate	# of Units	Proposed Change Order Adjustment (+/-)	Adjustment Description
<i>ESI Sampling Event Travel</i>											
Lodging	\$109.00	per night	6	\$ 654.00	2 persons/3 nights	\$ -	3	\$ 109.00	9	\$ 327.00	Add 1 person @ 3 nights
Per Diem	\$ 56.00	per day	7	\$ 392.00	2 persons*(2 field days + 1.5 Mobe and Demobe days)	\$ 8.00	3.5	\$ 64.00	10.5	\$ 280.00	Includes 1 addl person@2 full days + 2 travel Days@0.75% per diem (3.5 days); and increase of \$8 per day perdiem for 2 persons
Mileage	\$ 0.575	per mile	460	\$ -	380 rndtrp from Whg + 40 mi/day *2 days	\$ 0.010	80	\$ 0.585	540	\$ -	380 rndtrp from Whg + 40 mi/day *4 days
Rental Cargo Van	\$360.00	per trip	1	\$ 360.00	Est \$20/day*4 days+\$0.79/mi@460 mi + Fees, (incl pack/unpack-2 days)	\$ 216.60	0	\$ 576.60	1	\$ 216.60	15'Box Truck, est \$30/day@5 days, + 0.79/mi@540 mi, (incl packing and unpacking days)
Rental Truck	\$ 64.00	per day	4	\$ 256.00		\$ -	4	\$ 64.00	8	\$ 256.00	1 addl truck@4 days rental
Fuel for Vehicle(s)	\$ 2.30	per gal	51	\$ 117.30	460 mi ea. for Cargo Van and Truck (est)	\$ 1.70	63	\$ 4.00	114	\$ 338.70	540 miles ea. for Box truck and 2 rental trucks (across 4 days)
Subtotal				\$ 1,779.30						\$ 1,418.30	
<i>G&A</i>				\$ 320.27						\$ 255.29	
Total Travel: Site Assessment				\$ 2,099.57						\$ 1,673.59	
<i>Project Meetings (4)</i>											
<i>Travel</i>	Rate	Unit	# of units	Total	Description	Rate	# of units			Total	
Mileage	\$ 0.575	per mile	1520	\$ -	380 mi rndtrp from Whg x 4	\$ 0.010	0	\$ 0.585	1520	\$ -	
Rental Car	\$ 56.00	per day	4	\$ 896.00	four 1-day roundtrips	\$ -	3	\$ 56.00	7	\$ (504.00)	Add one rental car for 3 roundtrips
Fuel for Vehicle(s)	\$ 2.30	per gal	60	\$ 138.00	15 gal/trip x 4	\$ 1.70	45	\$ 4.00	105	\$ 282.00	Add one rental car for 3 roundtrips
Subtotal				\$ 1,034.00						\$ (222.00)	
<i>G&A</i>				\$ 186.12						\$ (39.96)	
Total Travel: Project Meetings				\$ 1,220.12						\$ (261.96)	
<i>Multi-media Sampling/Monitoring Equipment</i>											
Description	Rate	Unit	# of units	Total	Additional Information	Rate	# of units			Total	
Photo-Ionization Detector	\$255.00	week	1	\$ 255.00	MiniRae 3000 (10.6 eV)	\$ -	-1	\$ 255.00	0	\$ (255.00)	Instrument not needed
Sub-meter GPS Transceiver - Handheld	\$525.00	week	1	\$ 525.00	Trimble Pro XH 6000 or 7000 series	\$ -	0	\$ 525.00	1	\$ -	
Water Quality Meter	\$218.75	week	1	\$ 218.75	YSI Pro Plus w/quatro cable	\$ -	0	\$ 218.75	1	\$ -	
Subtotal				\$ 998.75						\$ (255.00)	
<i>G&A</i>				\$ 179.78						\$ (45.90)	
Total: Multi-media Sampling/Monitoring Equipment				\$ 1,178.53						\$ (300.90)	
Materials and Supplies				\$ 5,785.88	See Materials and Supplies Detail					\$ 1,397.26	See Materials and Supplies Detail
<i>G&A</i>				\$ 1,041.46						\$ 251.51	
Total Materials and Supplies				\$ 6,827.33						\$ 1,648.77	
Total ODCs, Travel, and Subcontracts				\$ 12,002.64						\$ 2,759.50	



Materials and Supplies Detail

MATERIALS & SUPPLIES

Proposed Change Order Adjustment

Supply Description	Est. Qty	Qty per Case	Cases Needed	Est. Cost per Case	Est. Cost	Proposed Change in Estimated QTY (+/-)	Change in Vendor Cost per Case/Qty (as of March 2022) (+/-)	Est QTY	Cases Needed	Est. Cost per Case	Proposed Change Order Adj Est Cost (+/-)	Justification/Description
Bubble Wrap40-ml VOA	0	1000	0	\$ 87.00	\$ -	0	\$ -	0	0	\$ 87.00	\$ -	
Bubble Wrap4 oz	0	1000	0	\$ 87.00	\$ -	0	\$ -	0	0	\$ 87.00	\$ -	
Bubble Wrap8 oz	74	250	1	\$ 42.00	\$ 42.00	93	\$ 7.00	167	1	\$ 49.00	\$ 7.00	Increase in est. sample qty and material cost inflation.
Bubble Wrap32 oz	148	450	1	\$ 106.00	\$ 106.00	84	\$ 19.00	232	1	\$ 125.00	\$ 19.00	Increase in est. sample qty and material cost inflation
Pint Ziplock	32	100	1	\$ 2.54	\$ 2.54	(32)	\$ (2.54)	0	(1)	\$ -	\$ (2.54)	No longer required
Qt. Ziplock	74	40	2	\$ 4.46	\$ 8.92	93	\$ 7.54	167	2	\$ 12.00	\$ 15.08	Increase in est. sample qty and material cost inflation.
Gal. Ziplock	485	30	17	\$ 4.46	\$ 75.82	163	\$ 1.21	648	22	\$ 5.67	\$ 48.92	Increase in est. sample qty and material cost inflation.
2.5 Gal Ziplock	10	12	1	\$ 3.50	\$ 3.50	0	\$ -	10	1	\$ 3.50	\$ -	
2" x 4" Labels (250 pak)	494	250	2	\$ 13.79	\$ 27.58	78	\$ -	572	3	\$ 13.79	\$ 13.79	Adj due to increase in est. sample qty
Tags	247	50	5	\$ -	\$ -	0	\$ -	247	5	\$ -	\$ -	
5-gm or 4 oz Encore/Jar Soil VOA	0	20	0	\$ 135.00	\$ -	0	\$ -	0	0	\$ 135.00	\$ -	
4-oz CWM Moisture	0	24	0	\$ 35.64	\$ -	0	\$ -	0	0	\$ 35.64	\$ -	
4-oz CWM Septa	0	24	0	\$ 42.24	\$ -	0	\$ -	0	0	\$ 42.24	\$ -	
8-oz CWM (0250-0015-QC)	74	12	7	\$ 27.12	\$ 189.84	47	\$ -	121	10	\$ 28.48	\$ 94.92	Increase in est. sample qty and material cost inflation.
40-ml Clear Closed Top 0040-0300-QC	24	72	1	\$ 95.04	\$ 95.04	20	\$ (15.84)	44	1	\$ 83.16	\$ (11.88)	Increase in est. sample qty and adjustment to material cost
1-L Amber	157	12	14	\$ 33.96	\$ 475.44	66	\$ 2.50	223	19	\$ 38.28	\$ 251.94	Increase in est. sample qty and material cost inflation.
40-ml Clear Open-Top (0.5 ml of HCL)	0	0	0	\$ -	\$ -	109	\$ 86.40	109	2	\$ 90.72	\$ 181.44	Added
1-L Poly (34oz. Cyl Round Nat. 1000-1010-QC)	26	12	3	\$ 27.96	\$ 83.88	51	\$ (6.00)	77	7	\$ 23.06	\$ 77.53	Increase in est. sample qty and adjustment to material cost
Gloves (TNT Nitrile 92-675 XL)	200	100	2	\$ 22.00	\$ 44.00	100	\$ -	300	3	\$ 22.00	\$ 22.00	Increase in est. personnel and sample qty.
Aluminum Pans Deep (9x13x2.5"deep)	20	40	1	\$ 60.00	\$ 60.00	8	\$ (30.00)	28	1	\$ 30.00	\$ (30.00)	Increase in est. sample qty and adjustment to material cost.
Batteries (AA, AAA,C)	8	4	2	\$ 8.00	\$ 16.00	(8)	\$ (8.00)	0	(2)	\$ -	\$ (16.00)	No longer required
Shipping+Return (for coolers & instruments)	24	-	46	\$ 87.00	\$ 4,002.00	0	\$ -	0	46	\$ 87.00	\$ -	
Decon Towlettes	1	-	1	\$ 2.50	\$ 2.50	1	\$ 0.13	2	2	\$ 2.63	\$ 2.76	Increase in est. personnel
Paper Towels	4	-	1	\$ 10.00	\$ 10.00	6	\$ 0.48	10	1	\$ 10.48	\$ 0.48	Increase in est. sample qty and adjustment to material cost.
Plastic Scoops	0	100	0	\$ 166.04	\$ -	0	\$ -	0	0	\$ 166.04	\$ -	
Strapping Tape (ft)	696	984.6	0.71	\$ 38.87	\$ 27.48	654	\$ (3.92)	1350	2	\$ 34.95	\$ 42.42	Increase in est. sample qty and adjustment to material cost
Pine Chips (lg)	2	1	4	\$ 20.00	\$ 80.00	2	\$ -	4	4	\$ 20.00	\$ -	
42 Gallon 3 mil Contractor Trash Bags	1	24	1	\$ 10.00	\$ 10.00	0	\$ 2.23	1	1	\$ 12.23	\$ 2.23	Increase in est. sample qty and material cost inflation
Stress Fluids	1	24	1	\$ 6.00	\$ 6.00	0	\$ -	1	1	\$ 6.00	\$ -	
Sharpies	2	1	2	\$ 1.00	\$ 2.00	0	\$ -	2	2	\$ 1.00	\$ -	
DIUF Water	1	1	1	\$ 143.34	\$ 143.34	1	\$ -	2	2	\$ 150.51	\$ 157.67	Increase in est. sample qty and adjustment to material cost.
Barrel 0.45 um Filter QED QuickFilter Inline	0	1	0.0	\$ 16.95	\$ -	0	\$ -	0	0	\$ 16.95	\$ -	
Nalgene Filters 0.45 um (surf water) 09-740-40B	0	12	0	\$ 281.50	\$ -	0	\$ -	0	0	\$ 281.50	\$ -	
Ice (7 lb bag)	48	1	48	\$ 1.50	\$ 72.00	51	\$ -	99	99	\$ 1.50	\$ 76.50	Increase in est. sample qty.
Tubing for well Pump (Teflon lined bonded/foot)	0	1	0	\$ 1.50	\$ -	0	\$ -	0	0	\$ 1.50	\$ -	
Cooler	10	1	10	\$ 20.00	\$ 200.00	18	\$ 3.00	28	28	\$ 23.00	\$ 444.00	Increase in est. sample qty and material cost inflation
Total					\$ 5,785.88						\$ 1,397.26	

