

FIRST AMENDMENT TO AGREEMENT NO. 15-3362
BETWEEN THE CITY OF LOS ANGELES AND
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY

THIS FIRST AMENDMENT to Agreement No. 15-3362 ("Amendment") is made and entered into by and between the CITY OF LOS ANGELES, a municipal corporation ("City"), acting by and through its Board of Harbor Commissioners ("Board"), and CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY, a California corporation ("Chevron"), as follows:

WHEREAS, CITY and CHEVRON entered into Agreement No. 15-3362, a Funding Agreement regarding Monitoring Wells Near Berth 100, effective November 30, 2015 and unless renewed is set to expire on November 30, 2018 ("Agreement"); and

WHEREAS, through the Agreement, CHEVRON paid for CITY's consultant to undertake the installation and development of post-remediation groundwater wells and conduct quarterly groundwater monitoring and analysis for three years in order to comply with directives issued by the Los Angeles Regional Water Quality Control Board ("Regional Board") to CITY and CHEVRON relating to soil and groundwater contamination in the vicinity of the former Chevron Marine Terminal No. 1001034, which area is now within the China Shipping Container Terminal ("Berth 100"); and

WHEREAS, well installation, development, and eight quarters of groundwater monitoring and analysis have been completed, the remaining activities involve groundwater monitoring and analysis on a semiannual basis for at least a year. The change from quarterly to semiannually monitoring and reporting was authorized by the Regional Board by letter dated March 28, 2018; and

WHEREAS, the remaining activities will continue beyond the original expiration date of the Agreement; and

WHEREAS, the not-to-exceed costs for the work have been expended and need to be increased to cover the additional groundwater monitoring and analysis work; and

WHEREAS, CITY and CHEVRON desire to renew and amend the Agreement as set forth herein;

NOW THEREFORE, THE PARTIES AGREE TO AMEND AGREEMENT NO. 15-3362 AS FOLLOWS:

1. Section 1 is amended by adding at the end the following new language:

"The City has also provided CHEVRON with Tetra Tech's estimate dated September 28, 2018, attached as Exhibit B – Tetra Tech Cost Proposal, for performing certain work associated with Regional Board monitoring requirements ("Additional Work"). As more fully described in Exhibit B, this Additional Work consists of collecting and analyzing groundwater samples on a semiannual basis, conveying the laboratory reports and field logs to CHEVRON, and contingency activities such as meetings."

2. Exhibit B, Tetra Tech Cost Proposal Dated September 28, 2018, is attached hereto and made a part of the Agreement.

3. Section 4 is amended by adding at the end the following new language:

“The cost of the Additional Work shall not exceed \$162,124 without CHEVRON’s prior approval. (These not to exceed dollar amounts do not include the contingency cost of \$35,729 included in Exhibit B.) CITY shall seek CHEVRON’s approval prior to authorizing the contractor to perform any additional post-remediation activities at Berth 100 for which CITY would expect CHEVRON payment to the contractor, including, but not limited to, activities associated with the contingency costs.”

4. Section 5 is amended in its entirety and is replaced with the following:

“5. Subject to the requirements set forth in Paragraph 4, as amended, and this Paragraph 5, CHEVRON agrees to pay one hundred percent (100%) of the actual costs for the work performed by CITY’s consultants or contractors as described in Exhibit A and Exhibit B. CHEVRON agrees to pay CITY’s consultant/contractor directly for the work and Additional Work. CITY’s consultant/contractor shall send invoices to CITY for review. CITY shall determine if the work billed for in the invoices is appropriate, within budget, and covered under this Agreement. CITY shall return any invoice to its consultant/contractor that is not acceptable. CITY shall send the approved invoice to CHEVRON with a cover letter that states that the invoice is approved and must be paid pursuant to this Agreement. CHEVRON shall review the invoice, and if CHEVRON has any questions related to the invoice, CHEVRON shall ask CITY’s consultant/contractor directly. CHEVRON shall pay all invoices for work and Additional Work within thirty (30) days of receipt of sufficient requests for payment unless CHEVRON delivers to CITY a written objection to the costs within fifteen (15) days after CITY delivers the invoices to CHEVRON. CHEVRON shall timely pay all costs that are not in dispute. CHEVRON shall not be billed for CITY staff time.”

5. Section 6 is amended in its entirety and is replaced with the following:

“6. CITY has provided a copy of this Agreement, including Exhibit A and Exhibit B, to its tenant, and represents that its tenant understands the scope of the work and Additional Work to be performed on the Property. In no event shall CHEVRON be responsible for any disruption to tenant’s use of the Property due to the work or Additional Work.”

6. Section 7 is amended in its entirety and is replaced with the following:

“7. This Agreement shall become effective on the date of its execution by the Executive Director of the Harbor Department following approval by the Board of Harbor Commissioners, which approval is subject to review

under Section 245 of the City Charter. The term of this Agreement shall not exceed six (6) years, commencing on the Agreement's effective date. This Agreement shall remain in effect until: a) cancelled by either party upon 30 days written notice; or b) six (6) years has elapsed since the effective date. This Agreement may be renewed by written agreement of the Parties. The Parties agree to use good faith efforts to renew the Agreement."

7. A new Section 8 is added as follows:

"8. All notices pursuant to or regarding this Agreement must be in writing and will be deemed properly given when addressed to the appropriate Party at the address set forth below. Each Party may change the contact information for notices by notice to the other Party. All such notices will be deemed to have been duly given and received upon mailing or delivery by courier or personal delivery service. Transmittal of information required by Section 1, Section 3, and Section 5 may be made by email.

To Chevron: Chevron Environmental Management Company
Marketing Business Unit
145 S. State College Boulevard, Rm # 5075
Brea, CA 92821
Attn: Property Specialist, Facility No. 100-1034
Phone: 714-671-3262
Email: SharonVasquez@Chevron.com

To City: City of Los Angeles, Harbor Department
Office of the City Attorney
425 South Palos Verdes Street
San Pedro, CA 90731
Attn: Kenneth Mattfeld
Phone: 310-732-3772
Email: kmattfeld@portla.org

8. A new Section 9 is added as follows:

"9. This Agreement shall be governed by and construed in accordance with the laws of the State of California, without reference to the conflicts of law, rules and principles of such State. The parties agree that all actions or proceedings arising in connection with this Agreement shall be tried and litigated exclusively in the State or Federal courts located in the County of Los Angeles, State of California, in the judicial district required by court rules."

Except as amended herein, all remaining terms and conditions of Agreement No. 15-3362 shall remain in full force and effect.

This Amendment may be executed in any number of counterparts, each of which shall be deemed an original and all of which shall constitute together one and the same instrument.

Subject to the provisions of Charter Section 245, the effective date of this Amendment shall be the date of its execution by Executive Director upon authorization of the Board. Chevron is aware that the City Council, pursuant to Charter Section 245 of the City of Los Angeles, has the right to review this Amendment. Accordingly, in no event shall this Amendment become effective until the sixth Council meeting day after Board action or the City Council's approval of the Amendment.

IN WITNESS THEREOF, the parties hereto have executed this First Amendment to Agreement No. 15-3362 on the date to the left of their signatures.

THE CITY OF LOS ANGELES, by its
Board of Harbor Commissioners


Dated: _____

By _____
EUGENE D. SEROKA
Executive Director

Attest _____
AMBER M. KLESGES
Board Secretary

CHEVRON ENVIRONMENTAL
MANAGEMENT COMPANY

Dated: October 3, 2018

By: 
Frank G. Soler, Assistant Secretary

APPROVED AS TO FORM AND LEGALITY

October 9, 2018

MICHAEL N. FEUER, City Attorney
Janna B. Sidley, General Counsel

By 
Heather M. McCloskey, Deputy

Exhibit B



Heather Benfield, P.E.
Associate Director

Ms. Shirin Sadrpour
Site Restoration Supervisor
Environmental Management Division
City of Los Angeles Harbor Department
425 South Palos Verdes Street
San Pedro, California 90733-0151

September 28, 2018

Subject: Revised Groundwater Sampling, Data Transfer, and Technical Support Proposal, Former Chevron Marine Terminal, Berth 100, Port of Los Angeles, California; ADP# 910913-191H, Agreement No. 17-3479

Dear Ms. Sadrpour:

Tetra Tech is pleased to present this cost proposal to continue supporting the City of Los Angeles Harbor Department, Environmental Management Division (EMD) with groundwater monitoring activities at Berth 100, Port of Los Angeles, California (the "Site"). The Site is under Los Angeles Regional Water Quality Control Board (LARWQCB) oversight under California Water Code Section 13267 in correspondence dated July 21, 2004 issued to Chevron and the Port of Los Angeles. This cost proposal has been prepared to conduct six semiannual groundwater monitoring events for EMD and Chevron within the active China Shipping Terminal over a period of three years, from 2019 through 2021.

The individual tasks have been itemized by semi-annual event per Chevron's request as follows:

- Task 1 activities conducted from January 1, 2019 through June 30, 2019
- Task 2 activities conducted from July 1, 2019 through December 31, 2019
- Task 3 activities conducted from January 1, 2020 through June 30, 2020
- Task 4 activities conducted from July 1, 2020 through December 31, 2020
- Task 5 activities conducted from January 1, 2021 through June 30, 2021
- Task 6 activities conducted from July 1, 2021 through December 31, 2021.

The scope of work for the subtasks described below will not change from year to year, unless the LARWQCB and/or Chevron modify groundwater sampling. Tetra Tech's current contract with EMD expires on March 28, 2020.

Tasks 1.1, 2.1, 3.1, 4.1, 5.1, and 6.1 – Project Management

In support of the project, Tetra Tech has included costs for project coordination, scheduling, subcontracting, and invoicing. It excludes any conference calls or meetings with Chevron/Leidos and the LARWQCB.

Tasks 1.2, 2.2, 3.2, 4.2, 5.2, and 6.2 - Groundwater Monitoring and Sampling

Groundwater sampling will be conducted at each of the 10 wells in accordance with the approved workplans (Leidos, 2014 and 2015) on a semi-annual (SA) basis in the first (January through March) and third (July through September) quarters of each calendar year. All wells will be gauged for depth to light non-aqueous

phase liquid (LNAPL) and depth to water. Following gauging activities, wells will be purged using low-flow techniques with a bladder pump equipped with an air compressor and control box. During purging, water quality parameters (groundwater drawdown, pH, electrical conductivity [EC], dissolved oxygen [DO], salinity, temperature, oxidation-reduction potential [ORP], and turbidity) will be monitored with a water quality instrument (YSI, Horiba, or similar) equipped with a flow-thru cell. All water quality parameters will be recorded on purge logs. Once pH, temperature, and EC have stabilized (values are within 10%), and turbidity is less than 10 nephelometric turbidity units (NTUs), then purging will be considered complete and the well will be sampled. However, if the three parameters (pH, temperature, and EC) have reached stability, but turbidity remains above 10 NTUs, purging will be discontinued after one hour and the well will be sampled regardless of the turbidity value. Following purging, the groundwater samples will be collected using the bladder pump into the appropriate sampling containers for analysis by Eurofins Calscience Environmental Laboratory, Inc (Eurofins). Wells with measurable product will not be purged, but a grab groundwater sample will be collected using a bailer. We have estimated that groundwater purging and sampling will require two 12-hour field days by three personnel to ensure that work is completed within a single two-day field event. All field personnel will hold valid a Transportation Worker Identification Credential (TWIC®). Groundwater analyses will include the following:

- TVPH C₄– C₁₂ and TPH C₁₃– C₄₀ by EPA Method 8015M (Carbon Chain Fractionation)
- TPH C₁₃–C₄₄ with Silica Gel Cleanup (*only CCT-MW10, the Pipeline well,*)
- Full scan VOCs with oxygenates by EPA Method 8260B
- Organic Lead by DHS LUST (*excluding the pipeline well*)
- Total Lead by EPA Method 6010B (*only the Pipeline well*)
- Semi-volatile organic compounds (SVOCs), including polynuclear aromatic hydrocarbons (PAHs), by EPA Method 8310; and
- Ferrous Iron, methane, nitrate, and sulfate by RSK 175
- Dissolved oxygen, oxidation/reduction potential (ORP), and pH will be recorded in the field, using a water quality meter.

Quality control/quality assurance samples include trip blanks (TBs), field blanks (FBs), equipment blanks (EBs), and matrix spike/matrix spike duplicates (MS/MSD). EBs will be analyzed for the same analytes as the original samples. TBs will be provided by the laboratory and will consist of 40-ml VOA vials that have been filled with organic-free (HPLC-grade) water. TBs and FBs will be analyzed only for TVPH and VOC analyses. In the field, one sealed set of FB and TB vials will accompany the cooler set each day.

Tasks 1.3, 2.3, 3.3, 3.4, 3.5, and 3.6 –IDW Characterization, Profiling, Manifesting, and Disposal

Decontamination water and purge water from groundwater sampling will be stored in one new (not reconditioned) UN/DOT 55-gallon drum for each sampling event. The drum cannot be stored within the China Shipping Terminal and is stored off-site at the Port of Los Angeles police substation, located at 710 North Front Street. Based upon previous IDW waste characterization and for costing purposes, we anticipate that the drums containing liquids will be characterized as non-hazardous. One composite water sample will be collected and analyzed for TPH C₄–C₁₂, TPH C₁₃–C₄₀, VOCs, and Title 22 Metals for waste characterization.

Tetra Tech will summarize the IDW laboratory results, compare to California and Federal waste classifications, prepare waste profile forms for review and signature approval by EMD, and provide properly completed waste manifests for EMD signature. The IDW will be disposed offsite as soon as possible to reduce costs to EMD/Chevron, and to minimize impact to the Port of Los Angeles Police property. Costs include waste disposal and field coordination.



Tasks 1.4, 2.4, 3.4, 4.4, 5.4, and 6.4 –Submittal of Project Data

Tetra Tech understands that we will not be providing an evaluation of the laboratory analytical data or field data collected during groundwater monitoring. Tetra Tech will provide the groundwater monitoring data collected, which will include groundwater analytical data, waste manifests, purge and daily logs, and photographs. The combined groundwater monitoring data will be submitted for review and interpretation by Leidos and Chevron. Costs include groundwater monitoring data transfer to Leidos/Chevron per semi-annual event.

Total for Tasks 1 through 6

- Task 1 (1SA2019) total is \$27,445
- Task 2 (2SA2019) total is \$25,894
- Task 3 (1SA2020) total is \$26,764
- Task 4 (2SA2020) total is \$27,039
- Task 5 (1SA2021) total is \$27,491
- Task 6 (2SA2021) total is \$27,491

Based upon previous groundwater events, field activities have been priced such that the groundwater monitoring and sampling will be conducted on weekends due to China Shipping’s schedule variations. The area for waste storage will be accessible during the weekdays, thus waste disposal is not assumed to be conducted on weekends. The six semi-annual groundwater monitoring events will be scheduled such that the analytical data will be submitted to Chevron approximately eight weeks prior to the LARWQCB report due date (July 15 and January 15 of each calendar year). Tetra Tech will authorize the laboratory (Eurofins) to submit the Chevron-required EDD simultaneously to Chevron, Leidos, and Tetra Tech to expedite Chevron/Leidos’ report preparation.

The total estimated cost for Tasks 1 through 6 is \$197,853 which includes \$35,729 in contingency funding and the assumed level of effort and detailed costs are summarized in the attached cost estimate. Contingency funding will be utilized for, but is not limited to use for meetings with Chevron, Leidos, and/or the LARWQCB. Additional funds will be requested for activities that exceed the contingency funding budget and work will commence after approval of the additional funding is received.

The costs reflect premium rates for work conducted on weekends. Due to the nature of this project, limited small business enterprises (SBEs) have been incorporated as the laboratory selected by Chevron is an other business enterprise (OBE); however Tetra Tech remains committed to the Harbor Department’s SBE program to incorporate SBEs at 25% or more of the total costs and currently has committed more than 30% to SBEs in approved PDs.

SBE Firm	SBE%	Total Cost
Belshire Environmental	1.7%	\$2,688
Total	1.7%	\$2,668
OBE/LBE Firm	OBE%	Total Cost
Eurofins Calscience, Inc.	16.9%	\$27,470
Total	16.9%	\$27,470



Tetra Tech will notify the Port if the budget requires adjustment during the project. Please do not hesitate to contact Ms. Heather Benfield at (626) 470-2415 or Mr. Eric Nelson at (626) 470-2391 with any questions or comments. Tetra Tech appreciates the opportunity to continue supporting EMD.

Sincerely,

A handwritten signature in black ink that reads 'Heather Benfield'.

Heather Benfield
Project Manager/Principal-in-Charge

A handwritten signature in black ink that reads 'Tom Villeneuve'.

Tom Villeneuve
Vice President

References:

Leidos (2014). *Site Assessment Work Plan*. Chevron Site No. 35-9459, Former Chevron Pipeline Corridor, San Pedro, CA. October 30, 2014.

Leidos (2015). *Addendum to Workplan for Groundwater Monitoring Assessment, Well Installation, and Sampling*. Former Catalina Cruise Terminal, Port of Los Angeles, Berth 95 (Former Chevron Marine Terminal Site No. 100-1034, Port of Los Angeles B100), San Pedro, CA. March 6, 2015.

Attachment: Cost Breakdown

cc: Eric Nelson (Senior Geologist), Tina Wun (Contracts)

Assumptions and Exclusions:

- Only the analyses listed above in the groundwater sampling tasks will be required. Only the ten existing project wells will be sampled.
- The first semi-annual 2020 groundwater sampling activities will be completed by March 28, 2020. If activities are conducted after March 28, 2020, then 3% rate increase to all labor and equipment rates will apply.
- Costs for work commencing March 29, 2020 are outside the current Tetra Tech -City of Los Angeles contract, Agreement No. 17-3479 period and may be subject to change. As proposed above, labor and equipment rates were escalated by 3% from the approved 2019 rates for work commencing March 29, 2020 through December 31, 2020, except for field vehicle, which was increased to \$85/day. Labor and equipment rates for work conducted from January 1, 2021 through December 31, 2021, were increased by 3% from 2020 rates except for field vehicle, which remained at \$85/day.
- All groundwater purge and decontamination water is free of LNAPL and LNAPL sheen.
- The offsite transportation and disposal costs for all IDW are estimated and actual rates will be obtained for each event. Tetra Tech will notify the Port and Chevron of any cost increases.
- Costs for free product recovery and disposal are not included. If it becomes necessary to conduct free product recovery on any well, then the additional costs will be submitted for approval prior to conducting any LNAPL recovery.



- Analytical unit rates are based upon Chevron's negotiated rates with Eurofins and have been escalated by 3% commencing for Task 4 (2SA2020) and increased another 3% in January 2021 for Tasks 5 and 6 (1SA2021 and 2SA2021). In addition, the costs above assume that Eurofins will continue to provide all EDDs, including GeoTracker EDDs, at no cost (gratis) for the entire scope of work described above. If Eurofins rates increase by more than the assumed 3% escalation or Eurofins incorporates any other charges for EDDs, sample delivery, sample bottles, etcetera, then EMD and/or Chevron will reimburse Tetra Tech at cost plus 5% markup.
- The current IDW staging area will not be relocated. If the IDW staging area requires relocation, then costs to relocate the staging area will be submitted for approval.
- Tetra Tech invoices will be prepared in accordance with the current agreement between Tetra Tech and the City of Los Angeles Harbor Department. Chevron accepts the invoices for Tasks 1 through 6 as submitted and will not require any changes or substantial inquiries (inquires that require more than 0.25 hours of Tetra Tech's administrative time to respond per invoice). With respect to invoices for work that requires contingency funding, Tetra Tech will work cooperatively to address reasonable invoice inquiries from Chevron. However, in the event Tetra Tech's administrative time responding to Chevron's inquiries exceeds 0.25 hours per invoice, then Tetra Tech will request approval from Chevron for additional compensation of the administrative time necessary to respond to the inquiry, where such compensation is reasonable and consistent with industry standard.
- Rates developed in this proposal are based upon the contractual rates in the Tetra Tech-City of Los Angeles Harbor Department Agreement No. 17-3479; however due to the scheduling with China Shipping requiring field activities to be conducted during non-routine business hours (e.g., Saturday, Sunday, or holiday, or after 4 pm) our rates hereby incorporate double-time rates for field technicians and other hourly workers who are eligible for double-time pay in accordance with City, State, and Federal labor laws.

TASK DESCRIPTION	Rate (\$/unit)	Unit	Quantity	Extended Cost	Subtotals	Totals
Task 1. First Semi-Annual 2019 Groundwater Monitoring (January 1, 2019 through June 30, 2019)						
Task 1.1 Project Management						
<i>Labor</i>						
Director	\$197.00	/hr	8.0	\$1,576.00		
Senior Scientist I	\$128.00	/hr	12.5	\$1,600.00		
Contract Administrator II	\$91.00	/hr	8.0	\$728.00		
				Task 1.1 Total	\$3,904.00	
Task 1.2 Groundwater Sampling Activities (ISA2019)						
<i>Labor</i>						
Director	\$197.00	/hr	4	\$788.00		
Senior Scientist I	\$128.00	/hr	8	\$1,024.00		
Staff Scientist III	\$101.00	/hr	26	\$2,626.00		
Environmental Technician III (Weekend 1.5X)	\$126.00	/hr	36	\$4,536.00		
Environmental Technician III (Weekend Overtime 2.0X)	\$168.00	/hr	16	\$2,688.00		
<i>Other Direct Costs (ODCs)</i>						
Turbidity Meter - Sampling (Tt owned)	\$6.50	/day	2	\$13.00		
Interphase Probe (Tt owned)	\$8.50	/day	2	\$17.00		
MultiRAE/4-Gas meter (Tt owned)	\$19.50	/day	2	\$39.00		
Bladder pump (Tt owned 1 controller, one pump)	\$45.00	/day	2	\$90.00		
Digital Cameras (Tt owned), 2 cameras	\$1.50	/day	4	\$6.00		
Water Quality Meters (YSI Rental), 2 meters	\$105.00	/day	4	\$420.00		
Turbidity Meter - Sampling (Rental)	\$79.00	/day	2	\$158.00		
Second Bladder Pump with controller (Rental)	\$158.00	/day	2	\$316.00		
Interphase Probe (Rental)	\$35.00	/day	2	\$70.00		
Compressor (Rental)	\$27.00	/day	2	\$54.00		
Replacement Pump tubing and bladders	\$350.00	LS	1	\$350.00		
Field Supplies (PPE, towels, ice, decontamination and drinking water, etc. estimate)	\$200.00	LS	1	\$200.00		
Tetra Tech Vehicles, 2 vehicles	\$75.00	/day	4	\$300.00		
<i>Laboratory Analyses (Eurofins Calscience)</i>						
<u>Groundwater Samples (including TB, FB, and EB)</u>						
TVPH C ₄ -C ₁₂ (8015) (TB, FB, and EB)	\$13.72	/sample	17	\$233.24		
TEH C ₁₃ -C ₄₀ (8015) (EB)	\$34.30	/sample	13	\$445.90		
TPH (C ₁₃ -C ₄₄) with Silica Gel cleanup (\$34.30+\$43.50=\$77.80)	\$77.80	/sample	2	\$155.60		
VOCs including oxygenates (8260B) (TB, FB, EB)	\$44.10	/sample	17	\$749.70		
PAHs (8310) (EB)	\$63.70	/sample	13	\$828.10		
Organic Lead	\$63.70	/sample	12	\$764.40		
Total lead (6010B) (EB)	\$4.90	/sample	2	\$9.80		
Ferrous Iron Fe 2+	\$24.50	/sample	11	\$269.50		
Methane	\$58.80	/sample	11	\$646.80		
Nitrate and sulfate	\$19.60	/sample	11	\$215.60		
				EDD- Chevron	\$0.00	
				EDD- GeoTracker	\$0.00	
				5% subcontractor mark-up	\$215.93	
				Total Task 1.2	\$18,229.57	
Task 1.3 IDW Characterization, Profiling, Manifesting, and Disposal for ISA2019						
<i>Labor</i>						
Director	\$197.00	/hr	2	\$394.00		
Senior Scientist I	\$128.00	/hr	5	\$640.00		
Staff Scientist III	\$101.00	/hr	12	\$1,212.00		
<i>Other Direct Costs (ODCs)</i>						
Field Supplies (gloves, ice, etc.)	\$25.00	LS	1	\$25.00		
Bailer for IDW sample	\$10.00	LS	1	\$10.00		
Field Vehicles	\$75.00	/day	1	\$75.00		

TASK DESCRIPTION	Rate (\$/unit)	Unit	Quantity	Extended Cost	Subtotals	Totals
<i>Laboratory Analyses (Eurofins Calscience) Water Samples</i>						
VOCs (8260B)	\$44.10	/sample	1	\$44.10		
Title 22 Metals (6010B/7417A)	\$53.90	/sample	1	\$53.90		
TPH C ₄ -C ₁₂ (8015)	\$13.72	/sample	1	\$13.72		
TPH C ₁₃ -C ₄₀ (8015)	\$34.30	/sample	1	\$34.30		
				5% subcontractor mark-up	\$7.30	
<i>Belshire Offsite Removal (Assume Non-hazardous)</i>						
Disposal Water Drum (DeMenno Kerdoon)	\$125.00	/drum	1	\$125.00		
Site Set-Up Fee	\$100.00	/LS	1	\$100.00		
FedEx Manifest	\$20.00	/LS	1	\$20.00		
Project Management and Profile Fee	\$80.00	/LS	1	\$80.00		
New metal open top drum	\$120.00	/drum	1	\$120.00		
				5% subcontractor mark-up	\$22.25	
				Total for Task 1.3	\$2,976.57	
Task 1.4 First Semi-Annual 2019 GWM Data Collection						
<i>Labor</i>						
Director	\$197.00	/hr	2	\$394.00		
Senior Scientist I	\$128.00	/hr	12	\$1,536.00		
Staff Scientist III	\$101.00	/hr	4	\$404.00		
				Total for Task 1.4	\$2,334.00	
				Total for Task 1 (ISA2019)		\$27,445.00
Task 2. Second Semi-Annual 2019 Groundwater Monitoring (July 1, 2019 through December 31, 2019)						
Task 2.1 Project Management						
<i>Labor</i>						
Director	\$197.00	/hr	3.0	\$591.00		
Senior Scientist I	\$128.00	/hr	9.5	\$1,216.00		
Contract Administrator II	\$91.00	/hr	6.0	\$546.00		
				Total for Task 2.1	\$2,353.00	
Task 2.2 Groundwater Sampling Activities (2SA2019)						
<i>Labor</i>						
Director	\$197.00	/hr	4	\$788.00		
Senior Scientist I	\$128.00	/hr	8	\$1,024.00		
Staff Scientist III	\$101.00	/hr	26	\$2,626.00		
Environmental Technician III (Weekend 1.5X)	\$126.00	/hr	36	\$4,536.00		
Environmental Technician III (Weekend Overtime 2.0X)	\$168.00	/hr	16	\$2,688.00		
<i>Other Direct Costs (ODCs)</i>						
Turbidity Meter - Sampling (Tt owned)	\$6.50	/day	2	\$13.00		
Interphase Probe (Tt owned)	\$8.50	/day	2	\$17.00		
MultiRAE/4-Gas meter (Tt owned)	\$19.50	/day	2	\$39.00		
Bladder pump (Tt owned 1 controller, one pump)	\$45.00	/day	2	\$90.00		
Digital Cameras (Tt owned), 2 cameras	\$1.50	/day	4	\$6.00		
Water Quality Meters (YSI Rental), 2 meters	\$105.00	/day	4	\$420.00		
Turbidity Meter - Sampling (Rental)	\$79.00	/day	2	\$158.00		
Second Bladder Pump with controller (Rental)	\$158.00	/day	2	\$316.00		
Interphase Probe (Rental)	\$35.00	/day	2	\$70.00		
Compressor (Rental)	\$27.00	/day	2	\$54.00		
Replacement Pump tubing and bladders	\$350.00	LS	1	\$350.00		
Field Supplies (PPE, towels, ice, decontamination and drinking water, etc., estimate)	\$200.00	LS	1	\$200.00		
Tetra Tech Vehicles, 2 vehicles	\$75.00	/day	4	\$300.00		
<i>Laboratory Analyses (Eurofins Calscience)</i>						
<u>Groundwater Samples (including TB, FB, and EB)</u>						
TVPH C ₄ -C ₁₂ (8015) (TB, FB, and EB)	\$13.72	/sample	17	\$233.24		
TEH C ₁₃ -C ₄₀ (8015) (EB)	\$34.30	/sample	13	\$445.90		
TPH (C ₁₃ -C ₄₄) with Silica Gel cleanup (\$34.30+\$43.50=\$77.80)	\$77.80	/sample	2	\$155.60		
VOCs including oxygenates (8260B) (TB, FB, EB)	\$44.10	/sample	17	\$749.70		
PAHs (8310) (EB)	\$63.70	/sample	13	\$828.10		
Organic Lead	\$63.70	/sample	12	\$764.40		
Total lead (6010B) (EB)	\$4.90	/sample	2	\$9.80		

TASK DESCRIPTION	Rate (\$/unit)	Unit	Quantity	Extended Cost	Subtotals	Totals
Ferrous Iron Fe 2+	\$24.50	/sample	11	\$269.50		
Methane	\$58.80	/sample	11	\$646.80		
Nitrate and sulfate	\$19.60	/sample	11	\$215.60		
		5% subcontractor mark-up		\$215.93		
				Total for Task 2.2	\$18,229.57	
Task 2.3 IDW Characterization, Profiling, Manifesting, and Disposal for 2SA2019						
<i>Labor</i>						
Director	\$197.00	/hr	2	\$394.00		
Senior Scientist I	\$128.00	/hr	5	\$640.00		
Staff Scientist III	\$101.00	/hr	12	\$1,212.00		
<i>Other Direct Costs (ODCs)</i>						
Field Supplies (gloves, ice, etc.)	\$25.00	LS	1	\$25.00		
Bailer for IDW sample	\$10.00	LS	1	\$10.00		
Field Vehicles	\$75.00	/day	1	\$75.00		
<i>Laboratory Analyses (Eurofins Calscience) Water Samples</i>						
VOCs (8260B)	\$44.10	/sample	1	\$44.10		
Title 22 Metals (6010B/7417A)	\$53.90	/sample	1	\$53.90		
TPH C ₄ -C ₁₂ (8015)	\$13.72	/sample	1	\$13.72		
TPH C ₁₃ -C ₄₀ (8015)	\$34.30	/sample	1	\$34.30		
		5% subcontractor mark-up		\$7.30		
<i>Belshire Offsite Removal (Assume Non-hazardous)</i>						
Disposal Water Drum (DeMenno Kerdoon)	\$125.00	/drum	1	\$125.00		
Site Set-Up Fee	\$100.00	/LS	1	\$100.00		
FedEx Manifest	\$20.00	/LS	1	\$20.00		
Project Management and Profile Fee	\$80.00	/LS	1	\$80.00		
New metal open top drum	\$120.00	/drum	1	\$120.00		
		5% subcontractor mark-up		\$22.25		
				Total for Task 2.3	\$2,976.57	
Task 2.4 Second Semi-Annual 2019 GWM Data Collection						
<i>Labor</i>						
Director	\$197.00	/hr	2	\$394.00		
Senior Scientist I	\$128.00	/hr	12	\$1,536.00		
Staff Scientist III	\$101.00	/hr	4	\$404.00		
				Total for Task 2.4	\$2,334.00	
				Total for Task 2 (2SA2019)		\$25,894.00

Task 3. First Semi-Annual 2020 Groundwater Monitoring (January 1, 2020 through June 30, 2020)

Task 3.1 Project Management

<i>Labor</i>						
Director	\$197.00	/hr	2.5	\$492.50		
Director	\$203.00	/hr	1.5	\$304.50		
Senior Scientist I	\$128.00	/hr	4.5	\$576.00		
Senior Scientist I	\$132.00	/hr	3.0	\$396.00		
Contract Administrator II	\$91.00	/hr	3.0	\$273.00		
Contract Administrator II	\$94.00	/hr	11.0	\$1,034.00		
				Total for Task 3.1	\$3,076.00	

Task 3.2 Groundwater Sampling Activities (ISA2020, assuming activities are completed by March 28, 2020)

<i>Labor</i>						
Director	\$197.00	/hr	4	\$788.00		
Senior Scientist I	\$128.00	/hr	8	\$1,024.00		
Staff Scientist III	\$101.00	/hr	26	\$2,626.00		
Environmental Technician III (Weekend 1.5X)	\$126.00	/hr	36	\$4,536.00		
Environmental Technician III (Weekend Overtime 2.0X)	\$168.00	/hr	16	\$2,688.00		
<i>Other Direct Costs (ODCs)</i>						
Turbidity Meter - Sampling (Tt owned)	\$6.50	/day	2	\$13.00		
Interphase Probe (Tt owned)	\$8.50	/day	2	\$17.00		
MultiRAE/4-Gas meter (Tt owned)	\$19.50	/day	2	\$39.00		
Bladder pump (Tt owned 1 controller, one pump)	\$45.00	/day	2	\$90.00		
Digital Cameras (Tt owned), 2 cameras	\$1.50	/day	4	\$6.00		

TASK DESCRIPTION	Rate (\$/unit)	Unit	Quantity	Extended Cost	Subtotals	Totals
Water Quality Meters (YSI Rental), 2 meters	\$105.00	/day	4	\$420.00		
Turbidity Meter - Sampling (Rental)	\$79.00	/day	2	\$158.00		
Second Bladder Pump with controller (Rental)	\$158.00	/day	2	\$316.00		
Interphase Probe (Rental)	\$35.00	/day	2	\$70.00		
Compressor (Rental)	\$27.00	/day	2	\$54.00		
Pump tubing and bladders	\$350.00	LS	1	\$350.00		
Field Supplies (PPE, towels, ice, decontamination and drinking water, etc.)	\$200.00	LS	1	\$200.00		
Tetra Tech Vehicles, 2 vehicles	\$75.00	/day	4	\$300.00		
<i>Laboratory Analyses (Eurofins Calscience)</i>						
<u>Groundwater Samples (including TB, FB, and EB)</u>						
TVPH C ₄ -C ₁₂ (8015) (TB, FB, and EB)	\$13.72	/sample	17	\$233.24		
TEH C ₁₃ -C ₄₀ (8015) (EB)	\$34.30	/sample	13	\$445.90		
TPH (C ₁₃ -C ₄₄) with Silica Gel cleanup (\$34.30+\$43.50=\$77.80)	\$77.80	/sample	2	\$155.60		
VOCs including oxygenates (8260B) (TB, FB, EB)	\$44.10	/sample	17	\$749.70		
PAHs (8310) (EB)	\$63.70	/sample	13	\$828.10		
Organic Lead	\$63.70	/sample	12	\$764.40		
Total lead (6010B) (EB)	\$4.90	/sample	2	\$9.80		
Ferrous Iron Fe 2+	\$24.50	/sample	11	\$269.50		
Methane	\$58.80	/sample	11	\$646.80		
Nitrate and sulfate	\$19.60	/sample	11	\$215.60		
				5% subcontractor mark-up	\$215.93	
				Total for Task 3.2	\$18,229.57	
Task 3.3 IDW Characterization, Profiling, Manifesting, and Disposal for ISA2020						
<i>Labor</i>						
Director	\$203.00	/hr	2	\$406.00		
Senior Scientist I	\$132.00	/hr	5	\$660.00		
Staff Scientist III	\$104.00	/hr	12	\$1,248.00		
<i>Other Direct Costs (ODCs)</i>						
Field Supplies (gloves, respirator cartridges, ice, etc.)	\$25.75	LS	1	\$25.75		
Bailer for IDW sample	\$10.30	LS	1	\$10.30		
Field Vehicles	\$85.00	/day	1	\$85.00		
<i>Laboratory Analyses (Eurofins Calscience) Water Samples</i>						
VOCs (8260B)	\$45.42	/sample	1	\$45.42		
Title 22 Metals (6010B/7471A)	\$55.52	/sample	1	\$55.52		
TPH C ₄ -C ₁₂ (8015)	\$14.13	/sample	1	\$14.13		
TPH C ₁₃ -C ₄₀ (8015)	\$35.33	/sample	1	\$35.33		
				EDD- Chevron	\$0.00	
				5% subcontractor mark-up	\$7.52	
<u>Belshire Offsite Removal (Assume Non-hazardous)</u>						
Water Drum (DeMenno Kerdoon)	\$113.30	/drum	1	\$113.30		
Site Set-Up Fee	\$103.00	/LS	1	\$103.00		
FedEx Manifest	\$20.60	/LS	1	\$20.60		
Project Management and Profile Fee	\$82.40	/LS	1	\$82.40		
New metal open top drum	\$123.60	/drum	1	\$123.60		
				5% subcontractor mark-up	\$15.97	
				Total for Task 3.3	\$3,051.84	
Task 3.4 Semi-Annual GWM Data Collection (1st Semi-Annual 2020)						
<i>Labor</i>						
Director	\$203.00	/hr	2.0	\$406.00		
Senior Scientist I	\$132.00	/hr	12.0	\$1,584.00		
Staff Scientist III	\$104.00	/hr	4.0	\$416.00		
				Total for Task 3.4	\$2,406.00	
				Total for Task 3 (ISA2020)	\$26,764.00	

TASK DESCRIPTION	Rate (\$/unit)	Unit	Quantity	Extended Cost	Subtotals	Totals
Task 4. Second Semi-Annual 2020 Groundwater Monitoring (July 1, 2020 through December 31, 2020)						
Task 4.1 Project Management						
<i>Labor</i>						
Director	\$203.00	/hr	4.5	\$913.50		
Senior Scientist I	\$132.00	/hr	9.5	\$1,254.00		
Contract Administrator II	\$94.00	/hr	6.0	\$564.00		
				Task 4.1 Total	\$2,731.50	
Task 4.2 Groundwater Sampling Activities (2SA2020)						
<i>Labor</i>						
Director	\$203.00	/hr	4	\$812.00		
Senior Scientist I	\$132.00	/hr	8	\$1,056.00		
Staff Scientist III	\$104.00	/hr	26	\$2,704.00		
Environmental Technician III (Weekend 1.5)	\$130.50	/hr	36	\$4,698.00		
Environmental Technician III (Weekend Overtime 2.0)	\$174.00	/hr	16	\$2,784.00		
<i>Other Direct Costs (ODCs)</i>						
Turbidity Meter - Sampling (Tt owned)	\$6.70	/day	2	\$13.39		
Interphase Probe (Tt owned)	\$8.76	/day	2	\$17.51		
MultiRAE/4-Gas meter (Tt owned)	\$20.09	/day	2	\$40.17		
Bladder pump (Tt owned 1 controller, one pumps)	\$46.35	/day	2	\$92.70		
Digital Camera (Tt owned), 2 cameras	\$1.55	/day	4	\$6.18		
Water Quality Meter (YSI Rental), 2 meters	\$108.15	/day	4	\$432.60		
Turbidity Meter - Sampling (Rental)	\$81.37	/day	2	\$162.74		
Second Bladder Pump with controller (Rental)	\$162.74	/day	2	\$325.48		
Interphase Probe (Rental)	\$36.05	/day	2	\$72.10		
Compressor (Rental)	\$27.81	/day	2	\$55.62		
Pump tubing and bladders	\$360.50	LS	1	\$360.50		
Field Supplies (PPE, towels, ice, decontamination and drinking water, etc.)	\$206.00	LS	1	\$206.00		
Tetra Tech Vehicles, 2 vehicles	\$85.00	/day	4	\$340.00		
<i>Laboratory Analyses (Eurofins Calscience)</i>						
<u>Groundwater Samples (including TB, FB, and EB)</u>						
TVPH C ₄ -C ₁₂ (8015) (TB, FB, and EB)	\$14.13	/sample	17	\$240.24		
TPH C ₁₃ -C ₄₀ (8015) (EB)	\$35.33	/sample	13	\$459.28		
TPH (Silica Gel cleanup) (C ₆ -C ₄₄) (\$34.30+\$43.50=\$77.80)	\$80.13	/sample	2	\$160.27		
VOCs including oxygenates (8260B) (TB, FB, EB)	\$45.42	/sample	17	\$772.19		
PAHs (8310) (EB)	\$65.61	/sample	13	\$852.94		
Organic Lead	\$65.61	/sample	12	\$787.33		
Total lead (6010B)	\$5.05	/sample	2	\$10.09		
Ferrous Iron Fe 2+	\$25.24	/sample	11	\$277.59		
Methane	\$60.56	/sample	11	\$666.20		
Nitrate and sulfate	\$20.19	/sample	11	\$222.07		
				5% subcontractor mark-up	\$222.41	
				Total for Task 4.2	\$18,849.60	
Task 4.3 IDW Characterization, Profiling, Manifesting, and Disposal for 2SA2020						
<i>Labor</i>						
Director	\$203.00	/hr	2.0	\$406.00		
Senior Scientist I	\$132.00	/hr	5.0	\$660.00		
Staff Scientist III	\$104.00	/hr	12.0	\$1,248.00		
<i>Other Direct Costs (ODCs)</i>						
Field Supplies (gloves, respirator cartridges, ice, etc.)	\$25.75	LS	1	\$25.75		
Bailer for IDW sample	\$10.30	LS	1	\$10.30		
Field Vehicles	\$85.00	/day	1	\$85.00		
<i>Laboratory Analyses (Eurofins Calscience) Water Samples</i>						
VOCs (8260B)	\$45.42	/sample	1	\$45.42		
Title 22 Metals (6010B/7471A)	\$55.52	/sample	1	\$55.52		
TPH C ₄ -C ₁₂ (8015)	\$14.13	/sample	1	\$14.13		
TPH C ₁₃ -C ₄₀ (8015)	\$35.33	/sample	1	\$35.33		
				EDD- Chevron	\$0.00	
				5% subcontractor mark-up	\$7.52	

TASK DESCRIPTION	Rate (\$/unit)	Unit	Quantity	Extended Cost	Subtotals	Totals
<u>Belshure Offsite Removal (Assume Non-hazardous)</u>						
Water Drum (DeMenno Kerdoon)	\$113.30	/drum	1	\$113.30		
Site Set-Up Fee	\$103.00	/LS	1	\$103.00		
FedEx Manifest	\$20.60	/LS	1	\$20.60		
Project Management and Profile Fee	\$82.40	/LS	1	\$82.40		
New metal open top drum	\$123.60	/drum	1	\$123.60		
		5% subcontractor mark-up		\$15.97		
				Total for Task 4.3	\$3,051.84	
Task 4.4 Second Semi-Annual 2020 GWM Data Collection						
<i>Labor</i>						
Director	\$203.00	/hr	2.0	\$406.00		
Senior Scientist I	\$132.00	/hr	12.0	\$1,584.00		
Staff Scientist III	\$104.00	/hr	4.0	\$416.00		
				Total for Task 4.4	\$2,406.00	
				Total for Task 4 (2SA2020)		\$27,039.00
Task 5. First Semi-Annual 2021 Groundwater Monitoring (January 1, 2021 through June 30, 2021)						
Task 5.1 Project Management						
<i>Labor</i>						
Director	\$209.00	/hr	4.0	\$836.00		
Senior Scientist I	\$136.00	/hr	7.5	\$1,020.00		
Contract Administrator II	\$97.00	/hr	6.0	\$582.00		
				Task 5.1 Total	\$2,438.00	
Task 5.2 Groundwater Sampling Activities (ISA2021)						
<i>Labor</i>						
Director	\$209.00	/hr	4	\$836.00		
Senior Scientist I	\$136.00	/hr	8	\$1,088.00		
Staff Scientist III	\$107.00	/hr	26	\$2,782.00		
Environmental Technician III (Weekend 1.5)	\$135.00	/hr	36	\$4,860.00		
Environmental Technician III (Weekend Overtime 2.0)	\$180.00	/hr	16	\$2,880.00		
<i>Other Direct Costs (ODCs)</i>						
Turbidity Meter - Sampling (Tt owned)	\$6.90	/day	2	\$13.79		
Interphase Probe (Tt owned)	\$9.02	/day	2	\$18.04		
MultiRAE/4-Gas meter (Tt owned)	\$20.69	/day	2	\$41.38		
Bladder pump (Tt owned 1 controller, one pumps)	\$47.74	/day	2	\$95.48		
Digital Camera (Tt owned), 2 cameras	\$1.59	/day	4	\$6.37		
Water Quality Meter (YSI Rental)	\$111.39	/day	4	\$445.58		
Turbidity Meter - Sampling (Rental)	\$83.81	/day	2	\$167.62		
Second Bladder Pump with controller (Rental)	\$167.62	/day	2	\$335.24		
Interphase Probe (Rental)	\$37.13	/day	2	\$74.26		
Compressor (Rental)	\$28.64	/day	2	\$57.29		
Pump tubing and bladders	\$371.32	LS	1	\$371.32		
Field Supplies (PPE, towels, ice, decontamination and drinking water, etc.)	\$212.18	LS	1	\$212.18		
Tetra Tech Vehicles, 2 vehicles	\$85.00	/day	4	\$340.00		
<i>Laboratory Analyses (Eurofins Calscience)</i>						
<u>Groundwater Samples (including TB, FB, and EB)</u>						
TVPH C ₄ -C ₁₂ (8015) (TB, FB, and EB)	\$14.56	/sample	17	\$247.44		
TPH C ₁₃ -C ₄₀ (8015) (EB)	\$36.39	/sample	13	\$473.06		
TPH C ₁₃ -C ₄₄ with Silica Gel cleanup (\$34.30+\$43.50=\$77.80)	\$82.54	/sample	2	\$165.08		
VOCs including oxygenates (8260B) (TB, FB, EB)	\$46.79	/sample	17	\$795.36		
PAHs (8310) (EB)	\$67.58	/sample	13	\$878.53		
Organic Lead	\$67.58	/sample	12	\$810.95		
Total lead (6010B)	\$5.20	/sample	2	\$10.40		
Ferrous Iron Fe 2+	\$25.99	/sample	11	\$285.91		
Methane	\$62.38	/sample	11	\$686.19		
Nitrate and sulfate	\$20.79	/sample	11	\$228.73		
		5% subcontractor mark-up		\$229.08		
				Total for Task 5.2	\$19,435.27	

TASK DESCRIPTION	Rate (\$/unit)	Unit	Quantity	Extended Cost	Subtotals	Totals
Task 5.3 IDW Characterization, Profiling, Manifesting, and Disposal for ISA2021						
<i>Labor</i>						
Director	\$209.00	/hr	2	\$418.00		
Senior Scientist I	\$136.00	/hr	5	\$680.00		
Staff Scientist III	\$107.00	/hr	12	\$1,284.00		
<i>Other Direct Costs (ODCs)</i>						
Field Supplies (gloves, respirator cartridges, ice, etc.)	\$26.52	LS	1	\$26.52		
Bailer for IDW sample	\$10.61	LS	1	\$10.61		
Field Vehicles	\$85.00	/day	1	\$85.00		
<i>Laboratory Analyses (Eurofins Calscience) Water Samples</i>						
VOCs (8260B)	\$46.79	/sample	1	\$46.79		
Title 22 Metals (6000/7000)	\$57.18	/sample	1	\$57.18		
TPH C ₄ -C ₁₂ (8015)	\$14.56	/sample	1	\$14.56		
TPH C ₁₃ -C ₄₀ (8015)	\$36.39	/sample	1	\$36.39		
				5% subcontractor mark-up	\$7.75	
<u><i>Belshire Offsite Removal (Assume Non-hazardous)</i></u>						
Water Drum (DeMenno Kerdoon)	\$116.70	/drum	1	\$116.70		
Site Set-Up Fee	\$106.09	/LS	1	\$106.09		
FedEx Manifest	\$21.22	/LS	1	\$21.22		
Project Management and Profile Fee	\$84.87	/LS	1	\$84.87		
New metal open top drum	\$127.31	/drum	1	\$127.31		
				5% subcontractor mark-up	\$16.44	
				Total for Task 5.3	\$3,139.42	
Task 5.4 First Semi-Annual 2021 GWM Data Collection						
<i>Labor</i>						
Director	\$209.00	/hr	2	\$418.00		
Senior Scientist I	\$136.00	/hr	12	\$1,632.00		
Staff Scientist III	\$107.00	/hr	4	\$428.00		
				Total for Task 5.4	\$2,478.00	
				Total for Task 5 (ISA2021)		\$27,491.00
Task 6. Second Semi-Annual 2021 Groundwater Monitoring (July 1, 2021 through December 31, 2021)						
Task 6.1 Project Management						
<i>Labor</i>						
Director	\$209.00	/hr	4.0	\$836.00		
Senior Scientist I	\$136.00	/hr	7.5	\$1,020.00		
Contract Administrator II	\$97.00	/hr	6.0	\$582.00		
				Task 6.1 Total	\$2,438.00	
Task 6.2 Groundwater Sampling Activities (2SA2021)						
<i>Labor</i>						
Director	\$209.00	/hr	4	\$836.00		
Senior Scientist I	\$136.00	/hr	8	\$1,088.00		
Staff Scientist III	\$107.00	/hr	26	\$2,782.00		
Environmental Technician III (Weekend 1.5)	\$135.00	/hr	36	\$4,860.00		
Environmental Technician III (Weekend Overtime 2.0)	\$180.00	/hr	16	\$2,880.00		
<i>Other Direct Costs (ODCs)</i>						
Turbidity Meter - Sampling (Tt owned)	\$6.90	/day	2	\$13.79		
Interphase Probe (Tt owned)	\$9.02	/day	2	\$18.04		
MultiRAE/4-Gas meter (Tt owned)	\$20.69	/day	2	\$41.38		
Bladder pump (Tt owned 1 controller, one pumps)	\$47.74	/day	2	\$95.48		
Digital Camera (Tt owned), 2 cameras	\$1.59	/day	4	\$6.37		
Water Quality Meter (YSI Rental)	\$111.39	/day	4	\$445.58		
Turbidity Meter - Sampling (Rental)	\$83.81	/day	2	\$167.62		
Second Bladder Pump with controller (Rental)	\$167.62	/day	2	\$335.24		
Interphase Probe (Rental)	\$37.13	/day	2	\$74.26		
Compressor (Rental)	\$28.64	/day	2	\$57.29		
Pump tubing and bladders	\$371.32	LS	1	\$371.32		
Field Supplies (PPE, towels, ice, decontamination and drinking water, etc.)	\$212.18	LS	1	\$212.18		
Tetra Tech Vehicles, 2 vehicles	\$85.00	/day	4	\$340.00		

TASK DESCRIPTION	Rate (\$/unit)	Unit	Quantity	Extended Cost	Subtotals	Totals
<i>Laboratory Analyses (Eurofins Calscience)</i>						
<u>Groundwater Samples (including TB, FB, and EB)</u>						
TVPH C ₄ -C ₁₂ (8015) (TB, FB, and EB)	\$14.56	/sample	17	\$247.44		
TPH C ₁₃ -C ₄₀ (8015) (EB)	\$36.39	/sample	13	\$473.06		
TPH C ₁₃ -C ₄₄ with Silica Gel cleanup (\$34.30+\$43.50=\$77.80)	\$82.54	/sample	2	\$165.08		
VOCs including oxygenates (8260B) (TB, FB, EB)	\$46.79	/sample	17	\$795.36		
PAHs (8310) (EB)	\$67.58	/sample	13	\$878.53		
Organic Lead	\$67.58	/sample	12	\$810.95		
Total lead (6010B)	\$5.20	/sample	2	\$10.40		
Ferrous Iron Fe 2+	\$25.99	/sample	11	\$285.91		
Methane	\$62.38	/sample	11	\$686.19		
Nitrate and sulfate	\$20.79	/sample	11	\$228.73		
				5% subcontractor mark-up	\$229.08	
				Total for Task 6.2	\$19,435.27	

Task 6.3 IDW Characterization, Profiling, Manifesting, and Disposal for 2SA2021

Labor

Director	\$209.00	/hr	2	\$418.00		
Senior Scientist I	\$136.00	/hr	5	\$680.00		
Staff Scientist III	\$107.00	/hr	12	\$1,284.00		

Other Direct Costs (ODCs)

Field Supplies (gloves, respirator cartridges, ice, etc.)	\$26.52	LS	1	\$26.52		
Bailer for IDW sample	\$10.61	LS	1	\$10.61		
Field Vehicles	\$85.00	/day	1	\$85.00		

Laboratory Analyses (Eurofins Calscience) Water Samples

VOCs (8260B)	\$46.79	/sample	1	\$46.79		
Title 22 Metals (6000/7000)	\$57.18	/sample	1	\$57.18		
TPH C ₄ -C ₁₂ (8015)	\$14.56	/sample	1	\$14.56		
TPH C ₁₃ -C ₄₀ (8015)	\$36.39	/sample	1	\$36.39		
				EDD- Chevron	\$0.00	
				5% subcontractor mark-up	\$7.75	

Belshire Offsite Removal (Assume Non-hazardous)

Water Drum (DeMenno Kerdoon)	\$116.70	/drum	1	\$116.70		
Site Set-Up Fee	\$106.09	/LS	1	\$106.09		
FedEx Manifest	\$21.22	/LS	1	\$21.22		
Project Management and Profile Fee	\$84.87	/LS	1	\$84.87		
New metal open top drum	\$127.31	/drum	1	\$127.31		
				5% subcontractor mark-up	\$16.44	

Total for Task 6.3 \$3,139.42

Task 6.4 Second Semi-Annual 2021 GWM Data Collection

Labor

Director	\$209.00	/hr	2	\$418.00		
Senior Scientist I	\$136.00	/hr	12	\$1,632.00		
Staff Scientist III	\$107.00	/hr	4	\$428.00		

Total for Task 6.4 \$2,478.00

Total for Task 6 (2SA2021) \$27,491.00

Total for Tasks 1 through 6 \$162,124.00

Contingency \$35,729.00

Total with Contingency \$197,853.00

SBE		
Belshire	\$2,688	1.66%
OBE/LBE		
Eurofins	\$27,470	16.94%