

SMART CONSULTING, LLC
7465 MAYFLY LANE
CLINTON, MT 59825
406-728-7755

September 27, 2019

Ron and Gordon Oelkers
Oelkers Inc.
P.O. Box 272
Culbertson MT 59218

Re: Additional Corrective Action and Work Plan for Remedial Investigation
Required for the Petroleum Release at Oelkers Inc. Bulk Plant, 17 Third Avenue East, Culbertson,
Roosevelt County, Montana, Facility ID 99-95090, release 4712, Work Plan 33889

1.0 COVER PAGE AND INTRODUCTION

Dear Ron and Gordon,

This letter presents the information and scope of work required to complete a Remedial Investigation of your bulk plant property on Third Avenue East referenced above. The subject property is located in the SE1/4 of Section 29, Township 28 North, Range 56 East (48°8'39.20"N 104°30'47.71"W). The subject property at this address will be referred to as the Site (**Figure 1 – Vicinity Map**). Ron Oelkers contact phone is the Oelkers Service Station at (406)787-5315.

Respectfully submitted,



Eric W. Smart
Principal Geologist

C: CAP Work Plan

2.0 FACILITY HISTORY

2.1 Ownership History

The site history was developed after conversations with Mr. Ron Oelkers and Mr. Lavern Anderson. The Oelkers purchased the facility in 1989 or 1990 from Mr. LaVerne Anderson. Mr. Anderson reportedly purchased the property from a party in Glasgow, Montana in 1975. Mr. Anderson reported that he worked at the facility beginning in 1956, when it was owned and operated by Continental Oil Company (currently Conoco) and managed by Mr. Amos Moore. It was reported that the facility contained above ground storage tanks on concrete pillars at least since 1956. The current above ground storage tank fueling system was reportedly installed around 1968. Mr. Anderson and Ron Oelkers both reported that the facility received petroleum from rail cars beginning in the 1930's. Mr. Anderson said the rail offloading was not performed when he worked at the Site in the 1950's.

2.1 Release and Investigation History

On December 31, 2008, petroleum odors were noted during filling of the unleaded gas bulk tank. The release was identified by petroleum odors and ultimately by gasoline product present beneath the snow within the tank farm secondary containment. It was reported by the Oelkers that snow and product were removed from the tank basin and placed in drums. As snow melted and the ground thawed, impacted soil and product were removed and placed in drums. In June 2009, Eastern Montana Environmental collected soil samples from the tank basin at approximately 18 inches below the ground surface. Elevated Benzene and other petroleum fractions were detected in three of the four soil samples.

A 30-day release report providing information on the release was completed on January 23, 2009. The 30-day release report estimated that the unleaded gasoline tank was placed at the facility around 1968. The DEQ requested an initial RI in a July 27, 2009 letter by Mr. Kent Harris.

SMART Consulting began the RI field work on July 27, 2010. The Initial RI included advancing four PowerProbe direct push borings and completing each boring with a two-inch PVC monitoring well, screened from six to 16 feet below the ground surface. One upgradient and two down gradient wells contained VPH compounds. The two downgradient wells, installed along the eastern property line, contained benzene in the water samples at concentrations exceeding RBSL guidelines. SMART Consulting summarized the soil and water sampling events in an Initial Remedial Investigation report dated September 30, 2010. The dissolved petroleum plume likely extends off site to the east of the facility (**Figure 2 – Existing Wells and Dissolved Plum 2010**).

Ron Oelkers reported that he removed product from the tanks and contacted licensed tank liner contractors to repair and line the bulk tanks at the facility. He was not able to hire tank contractors at the time of the oil boom in the area so he closed the bulk facility.

3.0 CURRENT FACILITY CONDITIONS

3.1 Current Site Conditions

The bulk tank facility is currently out of service. Bulk tanks and piping remain at the site and do not contain product. The facility lies to the east of Third Avenue East in Culbertson, Montana. Surface conditions consist of unpaved earth and soil that slope gently to the east. East of the bulk tank facility a gravel operation has filled in the lowland with fill of an unknown composition. Earth materials beneath the site encountered during the initial RI include gravel fill at the surface underlain by at least sixteen feet of silty sand to fine sand and silt. Groundwater is present around 12 feet below the ground surface. Clover Creek floodplain lies adjacent to the east of the Site.

3.2 Facility Petroleum Equipment

Two petroleum facilities were identified at the site during the initial RI work. An AST farm consisting of five tanks is located at the northeast corner of the site. The tanks service a bulk dispenser rack and five product pumps located adjacent to Third Avenue East. It was reported that a second facility offloaded petroleum products from the rail siding adjacent to the south of the Site. A concrete tank foundation structure is located along the southern property line. This structure was related to the petroleum rail offloading, but specific information was not identified. It was reported that the petroleum rail offloading facility operated since at least 1930, but ended before the 1950's (**Figure 2 – Existing Wells and Dissolved Plume**).

3.3 Drinking Water Supply

The Town of Culbertson, Montana Public Works Director, Mr. Bob Jasper, stated that the town uses municipal water supply and has for decades. The water source is treated Missouri River water. He was not aware of the residential wells shown on GWIC in the town and stated that any residential wells would be used for irrigation only. A cast iron water main lies beneath Third Avenue East on the east side of the street.

3.4 Petroleum Impacts and Potential Receptors

Receptors of the impacted groundwater were not identified at the Site and surrounding area. The nearest well is approximately 660 feet north of the Site. This well is listed as owned by A COX GWIC Id: 704569 as a domestic well. A surface water receptor located east of the Site is a marsh or slough adjacent to Clover Creek. The surface water is located approximately 400 feet east of the Site. Nearby dwellings with basement spaces were not reviewed as part of this assessment. The nearest residential structure is approximately 300 feet northwest of the Site. Numerous residential properties are present 500 feet north of the Site. Up to 6,460 g/L benzene was detected in MW3 located at the east fence line. Groundwater flows approximately west to east and the benzene plume likely extended offsite in 2010 (**Figure 2 – Existing Wells and Dissolved Plum 2010** and **Figure 3 – Groundwater Flow Map**).

4.0 WORK PLAN MAPS

Figure 1 – Vicinity Map

Figure 2 – Existing Wells and Dissolved Plume 2010

Figure 3 – Groundwater Flow Map 2010

Figure 4 – Proposed Investigation Plan.

5.0 OBJECTIVES

The specific goals of this investigation include:

- Inspect and determine the condition of existing onsite monitoring wells and collect a round of groundwater samples from each well to compare groundwater conditions to water sampled in 2010;
- Determine the extent and magnitude of gasoline impacted in the soil and groundwater present at the site;
- Identify potential receptors of impacted groundwater, soil and soil gas vapor; and,
- Collect sufficient and valid data to evaluate risks and remedial strategies and to prepare a Release Closure Plan (RCP).

6.0 WORK PLAN TASKS

SMART Consulting will complete the following tasks as part of the additional corrective action required for the bulk plant petroleum release:

- 1) Prepare Correct Action Work Plan #33889, research the applicability of LIF/MIP technology to define the impacts at the site; obtain contractor cost estimates and prepare cost estimate.
- 2) Complete a groundwater monitoring event concurrently with water sampling at Oelker's Service Center (WP 10812). This includes assessing the condition and construction of the four existing monitoring wells.
- 3) Determine the magnitude and extent of soil and groundwater impacts using a combination of Laser Induced Fluorescence (LIF)/Ultra Violet Optical Screening Tool (UVOST), Membrane Interface Probe (MIP), direct push soil borings and groundwater monitoring wells.
- 4) Perform a receptor survey of nearby water lines and/or water wells.
- 5) Validate all laboratory analytical data using DEQ's Data Validation Summary Tool.
- 6) Prepare a Release Closure Plan (RCP).
- 7) Prepare and submit a Remedial Investigation Report.

7.0 INVESTIGATION METHODS, EQUIPMENT, TECHNOLOGY AND PERSONNEL

7.1 Task 1 – Prepare Corrective Action Work Plan 33889

SMART Consulting prepared this work plan, researched the applicability of LIF/MIP and obtained quotes from contractors and vendors to complete this Remedial Investigation.

7.2 Task 2 – Complete a Groundwater Monitoring Event (Fall 2019) and Well Inspection

SMART Consulting will monitor and sample the four monitoring wells at the site using low-flow bladder pump sampling techniques. Wells, MW1, MW2, MW3 and MW4 were installed in July 2010 (**Figure 3 – Groundwater Flow Map 2010**). This initial event will coincide with the groundwater monitoring at the nearby Oelkers Service Station Investigation (WP 10812). SMART Consulting will inspect and assess the condition of each well for sampling suitability. Monitoring will include measuring the depth to water in each well using an electronic water level probe and total depth of each well. SMART Consulting will measure the field parameters temperature, pH, specific conductance, dissolved oxygen and oxidation/reduction potential during purging using a YSI-556 probe.

The field geologist will collect water samples from each well after parameters stabilize. Water samples will be placed in pre-preserved, clean sample containers provided by the laboratory. Groundwater samples will be analyzed for extractable petroleum hydrocarbons (EPH) and volatile petroleum hydrocarbons (VPH) as directed by the Montana DEQ Tier 1 Risk-Based Corrective Action guidance for petroleum releases. The first round of samples will also be analyzed for lead scavengers ethylene dibromide and 1,2 dichloroethane. Samples will be placed on ice and transported following chain-of-custody procedures to Pace Analytical in Billings, Montana. SMART Consulting will note any changes in groundwater conditions and refine the location of proposed LIF/MIP sample locations and site additional monitoring wells.

7.3 Task 3 – Determine the Magnitude and Extent of Soil and Groundwater Impacts

SMART Consulting will contract with a direct push provider equipped with LIF/UVOST and MIP sensing technologies to rapidly define the extent and magnitude of petroleum impacts to soil and groundwater. The ultra-violet exciter of UVOST is the optimal to screen for petroleum range hydrocarbons in soil and water. It is used on a LIF probe platform. It is planned to advance 30 to 40 UVOST probes up to 20 feet below the ground surface across and down gradient of the site (**Figure 4 - Proposed Investigation Plan**). A row of test probes will be advanced upgradient of the site along Third Avenue East. The UVOST sensor will help determine the extent of petroleum impacts, define the source plume and assist developing a source removal action.

The MIP unit probe will follow the results of the UVOST data. MIP is more sensitive and can define lower level concentrations of BTEX compounds. MIP points will define the edges of the plume identified by UVOST. Twenty to 30 MIP points will be advanced by the MIP contractor. Points will begin in

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presumed clean areas offsite to the east (downgradient) of the impacted groundwater and work west until impacts are identified.

Using the data from the UVOST and MIP results, SMART Consulting will advance up to four soil borings in areas where soil and groundwater samples are needed to confirm the findings of the results and are needed to define the edge of the dissolved groundwater plume. Soil samples will be collected from the macro direct push sampler and screened a photo ionization detector (PID) in heated headspace samples. Soil in the macro will be logged by an experienced geologist. Samples containing elevated headspace readings and/or at least one sample from above the water table will be collected for laboratory analysis from each boring. Samples will be delivered to Pace Analytical in Billings, Montana for EPH screen and VPH analysis. Any sample reporting an EPH concentration over 200 mg/kg, will be analyzed for the EPH fractions.

Monitoring wells will be developed after completion to remove silt from the well casing and filter pack. The drilling contractor will surge and pump the wells for at least one hour or until well water is no longer turbid. Well sampling will not be performed for at least 24 hours after development. Wells will be purged using low flow sampling techniques (bladder pump) as described in section 7.1 above. Samples will be analyzed using the EPH screen and VPH methods. The well heads will be surveyed by a licensed land surveyor to a horizontal and vertical datum. A monitoring schedule will be described in a future work plan.

7.4 Task 4 – Conduct a Potential Receptor Survey

SMART Consulting will identify all potential receptors of the release at the Oelkers bulk facility. Receptors include groundwater discharge to the sloughs of Clover Creek, adjacent structures, water lines, utility corridors, water supply wells, and sanitary and storm sewers. Receptor data will be used in the release closure plan.

7.5 Task 5 – Laboratory Analytical Data Validation

SMART Consulting will validate all laboratory analytical data with the aid of the DEQ Data Validation Summary Form. A section of the Remedial Investigation report will discuss the data validation process. The main validation task is to review the laboratory quality control data analysis to see if the instruments were calibrated and within control limits. A blind duplicate field blank will be collected from the water sample train and analyzed for VPH constituents. Duplicate soil samples will not be collected as variability makes duplicate sampling impossible. Any data discrepancies will be discussed with the DEQ project manager immediately and will be noted in the report.

7.6 Task 6 – Complete a Release Closure Plan

SMART Consulting will prepare a release closure plan that includes soil and groundwater findings as well as the results of the receptor survey. SMART Consulting and the DEQ project managers will discuss

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the release closure plan prior to presentation in the Remedial Investigation report. SMART Consulting will use the DEQ Excel spreadsheet to present the release closure plan.

7.7 Task 7 – Prepare and Submit a Remedial Investigation Report

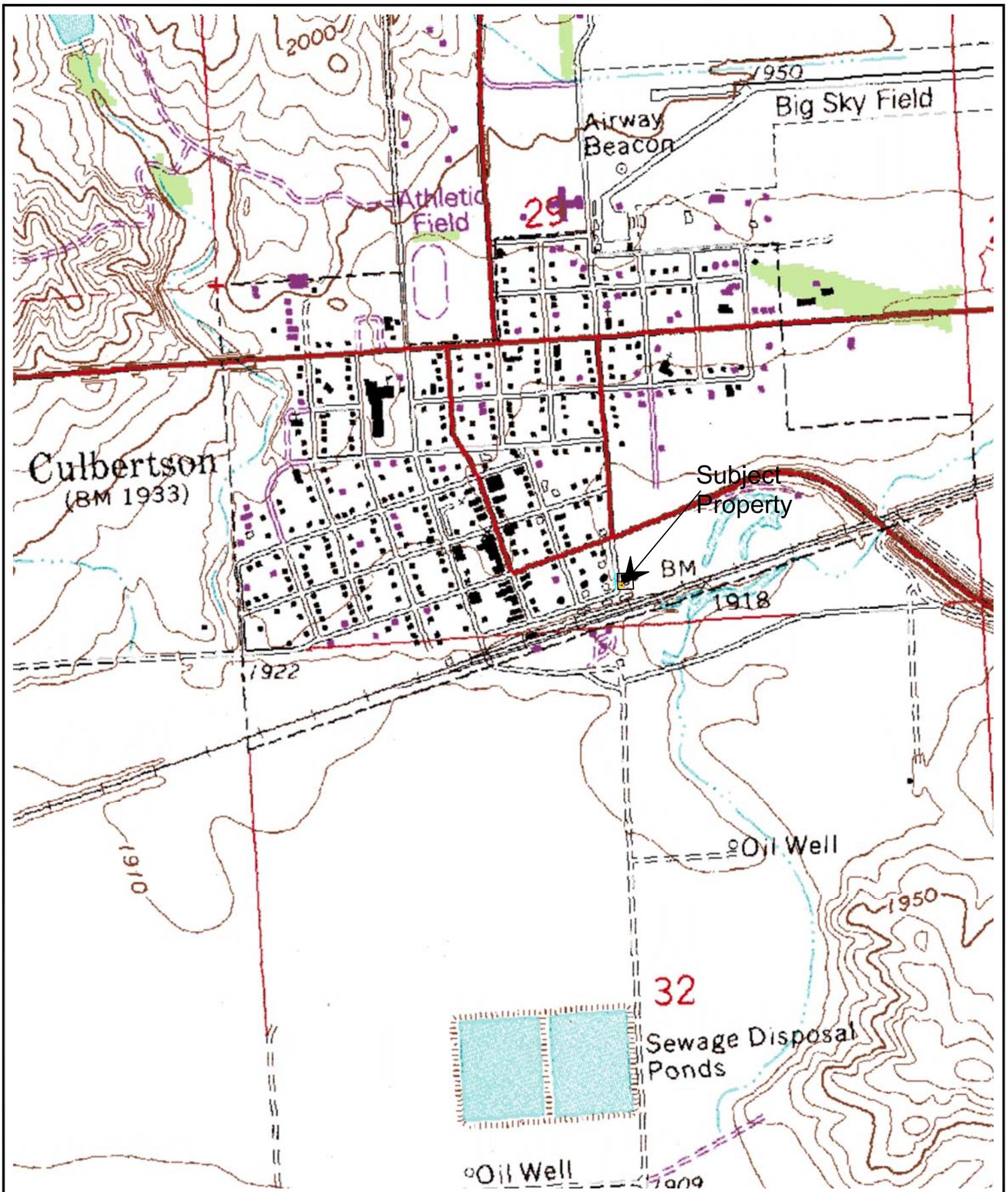
SMART Consulting will prepare a Remedial Investigation Report detailing the results of the investigation. The report will have a summary of the initial investigation and sampling in 2009 and all subsequent data collected for this Remedial Investigation. The report will follow the format of the Montana Remedial Investigation Guidance for Petroleum Releases, October 2017. SMART Consulting will discuss the findings and data with the DEQ project manager prior to submitting the report.

8.0 SCHEDULE AND REPORTING

SMART Consulting will consult with the DEQ project manager, Latysa Pankratz following the receipt of soil and groundwater samples and after LIF/MIP data is presented. After the data is reviewed, SMART Consulting will prepare a Remedial Investigation Report detailing the results of the investigation. The report will follow DEQ guidance for standardized reports and will include summary tables of data, figures presenting the data, and field and laboratory data will be appended to the report. The report will be submitted electronically in PDF format.

9.0 LIF/MIP BID COMPARISON

Two LIF/MIP contractors responded with quotes for performing the LIF/MIP and well installation services. Both contractors were bidding the advancement of 30 LIF points, and 15-20 MIP points with sensing results. CASCADE Drilling provided a total cost of \$34,225. Their bid for four monitoring wells is \$2,850 which seems a bit low for four monitoring wells. WCEC provided at total cost of \$38,661 with a monitoring well installation cost of \$7,303. This well installation cost is more in line with our experience. SMART Consulting desires to use WCEC as the bid comes from a senior geologist whereas the CASCADE Drilling costs came from a sales staff in Florida. The WCEC bid is more inline with our experience for completing investigation in eastern Montana. Bids are attached.



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15999 E. Mullan Road
Clinton, Montana 59825
(406) 825-3007

LEGEND

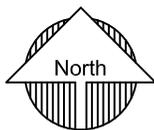
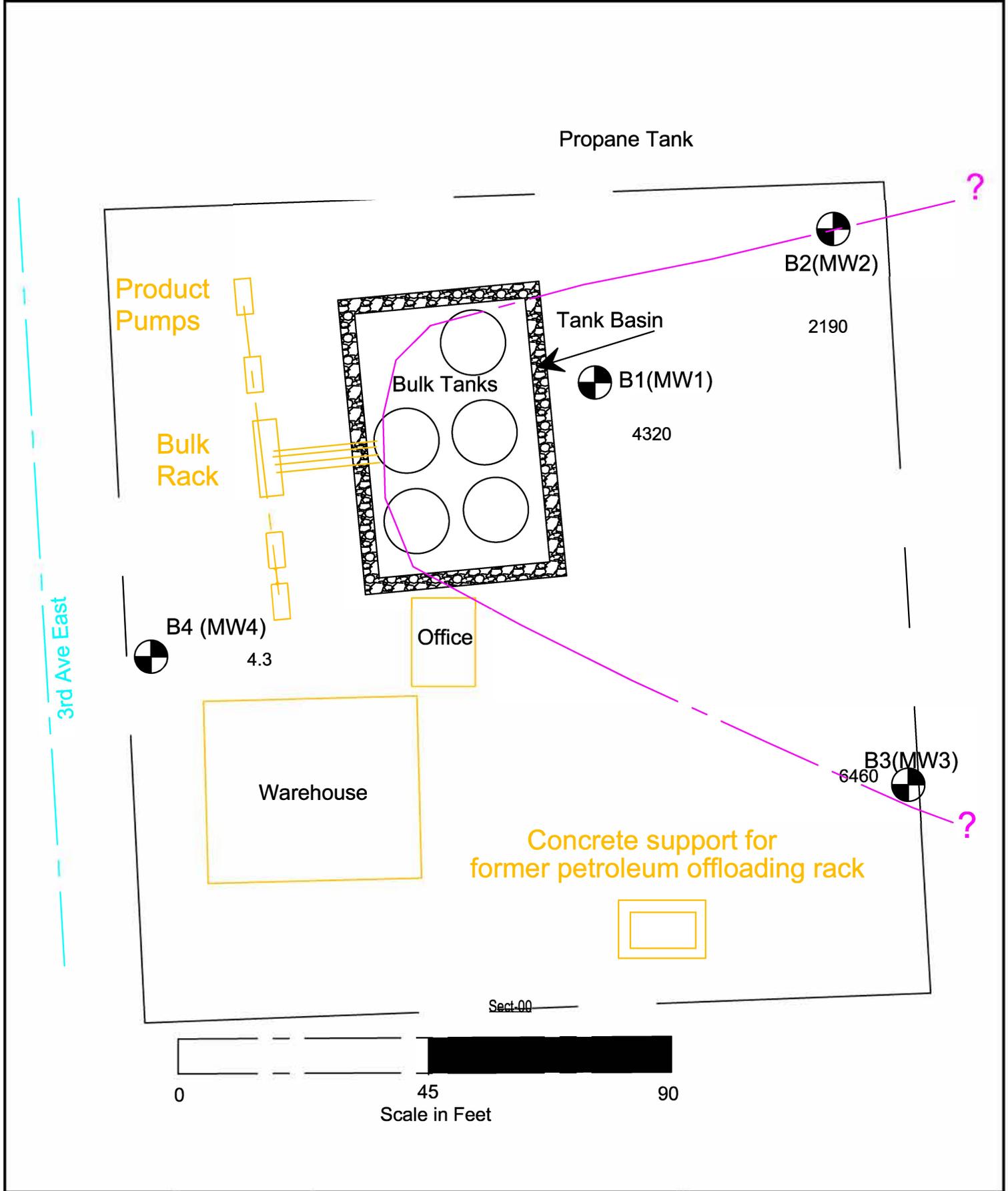


FIGURE 1
Vicinity Map

PROJECT NO. 1022.01	DATE Sept 2009	REVISION NO. 0.0
SCALE: Bar		DRAWN BY: ews



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Clinton, Montana 59825
(406) 825-3007

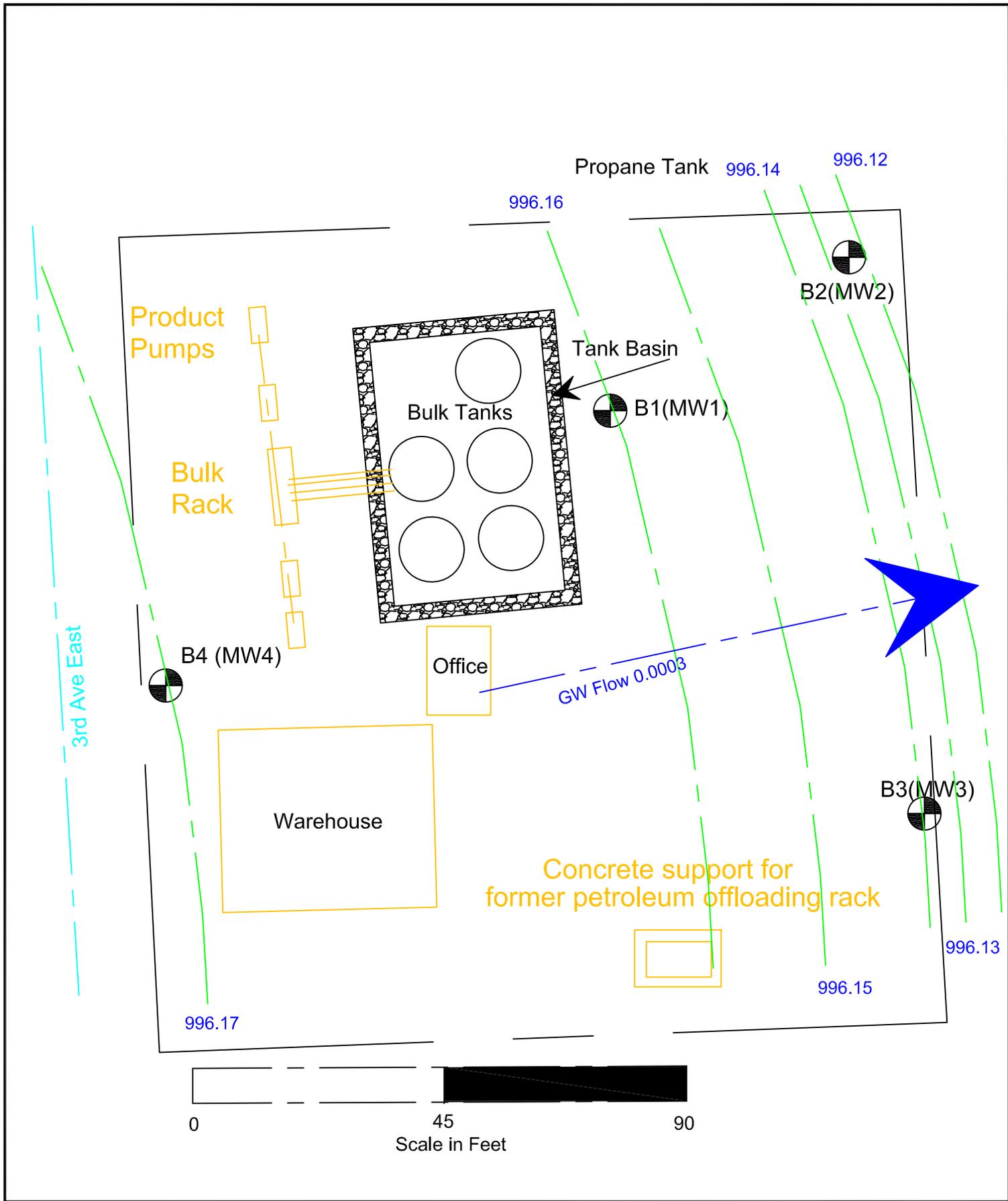


B3 6460
Monitoring well number showing detected benzene concentration in $\mu\text{g/l}$; ppb

Benzene 10,000 ppb isoconcentration line extending offsite

FIGURE 2
GW Benzene Conc.

PROJECT NO. 1022.01	DATE: September 2010	REVISION NO. 0.0
SCALE: Bar		DRAWN BY: ews



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 Clinton, Montana 59825
 (406) 825-3007

LEGEND

North

Line of equal GW elevation showing site relative elevation
 996.17

FIGURE 3
Groundwater Contour Map

PROJECT NO. 1022.01	DATE: July 2010	REVISION NO. 0.0
SCALE: Bar		DRAWN BY: ews



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Consulting, LLC

7465 Mayfly Lane
Clinton, Montana 59825
(406) 728-7755

LEGEND



-  Proposed LIF/UNTOST Point
-  Proposed MIP Point
-  Proposed Monitoring Well

PROJECT NO.	1022.04
DRAWN BY	TWC
REVISION NO.	X
DATE	13-Sep-19
SCALE:	Bar

Figure 4
Proposed Investigation Plan

Oelkers Former Bulk Plant
Culbertson, MT

Estimated Cost Summary

UVOST-LIF / MIP Investigation & Data Analysis, Monitoring Well Installation

Smart Consulting - Oelker's Bulk Service, Culbertson, MT

09.10.19

TASK	Unit Cost	Units	Total Cost
Project Coordination & Correspondence			
Senior Project Manager	\$145.00	6	\$870.00
	Sub Total		\$870.00
UVOST Subsurface Investigation & Soil Confirmation Borings			
GeoProbe w/ Operator (per day)	\$1,850.00	3.5	\$6,475.00
LIF Unit w/ Operator (per day)	\$3,000.00	2	\$6,000.00
MIP Unit w/ Operator (per day)	\$3,000.00	1.5	\$4,500.00
Mobilization - Truck, Drill Rig, Trailer	\$2.50	1080	\$2,700.00
Mobilization - LIF Unit w/Operator	\$2.50	1080	\$2,700.00
Abandonment/Restoration (per foot)	\$0.50	600	\$300.00
GPS - Trimble RTK Survey	\$231.00	3	\$693.00
Traffic Control Signage & Equipment	\$150.00	0	\$0.00
Per Diem	\$30.50	10	\$305.00
Lodging (will be charged at actual cost)	\$130.00	8	\$1,040.00
	Sub Total		\$24,713.00
Monitoring Well Installation			
Well Drilling (per foot)	\$20.00	80	\$1,600.00
Well Construction (per foot)	\$25.00	80	\$2,000.00
Mobilization - Licensed Well Constructor	\$2.50	1080	\$2,700.00
Flushmount Monuments	\$75.00	4	\$300.00
Per Diem	\$30.50	6	\$183.00
Lodging (will be charged at actual cost)	\$130.00	4	\$520.00
	Sub Total		\$7,303.00
Real-Time Data Interpretation - Technical Analyst			
Mobilization	\$2.75	0	\$0.00
Staff Scientist	\$110.00	12	\$1,320.00
Per Diem	\$23.00	0	\$0.00
Lodging (will be charged at actual cost)	\$130.00	0	\$0.00
	Sub Total		\$1,320.00
Project Reporting			
UVOST / MIP Field Data Report Package	\$500.00	1	\$500.00
Senior Scientist - LIF Data Interpretation, Report Review	\$145.00	3	\$435.00
Staff Scientist / Data Modeler - Subsurface Mapping / 2D & 3D Modeling	\$110.00	32	\$3,520.00
Advanced Waveform Analysis (if necessary for plume separation)	\$2,000.00	0	\$0.00
Report Production & Expendables (per hard copy report)	\$75.00	0	\$0.00
	Sub Total		\$4,455.00
	Total Cost		\$38,661.00

1) Estimated costs are based on the anticipated scope of services / investigation

2) Completion of additional scope will be charged at the above rates on a time and materials basis

3) Advanced Waveform Analysis will be performed if necessary / on request based on site specific observations



Account Name	SMART Consulting, LLC	Bid Date	9/11/2019
Address		Quote Number	00047551
Contact Name	Eric Smart	Quote Revision Date	9/11/2019 11:25 AM
Email	e.smart@mcs-environmental.com	Opportunity Name	SMART Consulting, LLC - SMART Consulting, LLC - MIHPT and OIP - Culbertson Montana - Miscellaneous - 00134920
Phone	406-360-3361	Work Site	17 Third Avenue East Culbertson, MT 59218

Cascade Rep Contact Information

Prepared By	Brad Carlson	Phone	(813) 731-5916
		Email	wcarlson@cascade-env.com

Scope of Work

15 MIHPT Locations to 20 feet.
 30 LIF/OIP-HPT test points to 20 feet to get the gross limits of impacts.
 Install four confirmation 2" monitoring wells to 20 feet.

Quantity	Product	Product Description	Unit	Sales Price	Optional	Subtotal
1.00	Mob/Demob	Mobilization/Demobilization	Each	\$8,500.00	<input type="checkbox"/>	\$8,500.00
5.00	Per Diem	2 Person Crew	Day	\$375.00	<input type="checkbox"/>	\$1,875.00
4.00	Direct-Sensing	MiHpt-OIP/DPT Rig w/Operators	Day	\$4,000.00	<input type="checkbox"/>	\$16,000.00
1.00	Direct-Sensing	MiHpt or OIP Project Setup	Lump Sum	\$750.00	<input type="checkbox"/>	\$750.00
1.00	Direct-Sensing	MiHpt or OIP Report	Lump Sum	\$500.00	<input type="checkbox"/>	\$500.00
1,000.00	Direct-Sensing	MiHpt-OIP Logging	Feet	\$2.50	<input type="checkbox"/>	\$2,500.00
1,000.00	Direct-Sensing	Borehole Abandonment	Feet	\$1.25	<input type="checkbox"/>	\$1,250.00
1.00	DPT Rig	7822, 2 Man Crew To Install Wells	Day	\$1,850.00	<input type="checkbox"/>	\$1,850.00
4.00	Well Installation	Install 2" monitoring wells to 20 feet	Each	\$250.00	<input type="checkbox"/>	\$1,000.00

Pre-Tax Total	\$34,225.00
Tax Percentage	0.0000%
Taxes	\$0.00
Quote Total	\$34,225.00

This quote is based on information provided by you and is valid for 45 days from the bid date. Your firm is responsible for 1) Obtaining any site specific permits, 2) Locating and clearly marking underground installations or utilities, 3) Furnishing dig Alert numbers at least three working days prior to scheduled start date and proof of private locating services, 4) Obtaining access to site with no overhead wires within 20' of the holes. On-site soil disposal, unless Cascade expressly assumes responsibility in writing. Cascade shall not be responsible for damages to underground improvements not clearly and accurately marked.

If bedrock, cobbles, flowing sands or other adverse or unsafe drilling conditions are encountered, drilling may continue on a time and materials basis or be terminated at the discretion of Cascade. Additional costs may apply if scope is significantly changed. Prices assume standard labor rates and no work hour restrictions. Proposal is subject to final review of terms and conditions.

	Task 1: Work Plan				Task 2: Fall 2019 Water Monitoring				Task 3: Site Investigation				Task 4: Receptor Survey				Task 5: Data Validation				Task 6: Release Closure Plan				Task 7: RI Report							
	Quantity	Unit	Unit Cost	Total	Quantity	Unit	Unit Cost	Total	Quantity	Unit	Unit Cost	Total	Quantity	Unit	Unit Cost	Total	Quantity	Unit	Unit Cost	Total	Quantity	Unit	Unit Cost	Total	Quantity	Unit	Unit Cost	Total				
Professional Labor																																
Principal Geologist/Engineer	2	hour	\$110.00	\$ 220.00		hour	\$110.00	\$ -		hour	\$110.00	\$ -		hour	\$110.00	\$ -		hour	\$110.00	\$ -		hour	\$110.00	\$ -	2	hour	\$110.00	\$ 220.00				
PE/PG/RG		hour	\$93.00	\$ -		hour	\$93.00	\$ -		hour	\$93.00	\$ -		hour	\$93.00	\$ -		hour	\$93.00	\$ -		hour	\$93.00	\$ -		hour	\$93.00	\$ -		hour	\$93.00	\$ -
Senior Geologist/Engineer	2	hour	\$90.00	\$ 180.00		hour	\$90.00	\$ -		hour	\$90.00	\$ -		hour	\$90.00	\$ -		hour	\$90.00	\$ -		hour	\$90.00	\$ -		hour	\$90.00	\$ -		hour	\$90.00	\$ -
Project Geologist/Engineer	5	hour	\$88.00	\$ 440.00		hour	\$88.00	\$ -		hour	\$88.00	\$ 176.00		hour	\$88.00	\$ 352.00		hour	\$88.00	\$ -		hour	\$88.00	\$ -		hour	\$88.00	\$ 704.00		hour	\$88.00	\$ 704.00
Staff Geologist/Engineer	1	hour	\$83.00	\$ 83.00	21	hour	\$83.00	\$ 1,743.00	57	hour	\$83.00	\$ 4,731.00	4	hour	\$83.00	\$ 83.00	4	hour	\$83.00	\$ -		hour	\$83.00	\$ -		hour	\$83.00	\$ -	8	hour	\$83.00	\$ 1,992.00
CAD Drafter	4	hour	\$60.00	\$ 240.00		hour	\$60.00	\$ -		hour	\$60.00	\$ -		hour	\$60.00	\$ -		hour	\$60.00	\$ -		hour	\$60.00	\$ -		hour	\$60.00	\$ -	5	hour	\$60.00	\$ 300.00
Environmental Technician III		hour	\$59.00	\$ -		hour	\$59.00	\$ -		hour	\$59.00	\$ -		hour	\$59.00	\$ -		hour	\$59.00	\$ -		hour	\$59.00	\$ -		hour	\$59.00	\$ -		hour	\$59.00	\$ -
Environmental Technician II		hour	\$49.00	\$ -		hour	\$49.00	\$ -		hour	\$49.00	\$ -		hour	\$49.00	\$ -		hour	\$49.00	\$ -		hour	\$49.00	\$ -		hour	\$49.00	\$ -		hour	\$49.00	\$ -
Environmental Technician I	1	hour	\$40.00	\$ 40.00		hour	\$40.00	\$ -		hour	\$40.00	\$ -		hour	\$40.00	\$ -		hour	\$40.00	\$ -		hour	\$40.00	\$ -		hour	\$40.00	\$ -		hour	\$40.00	\$ -
Project Coordinator		hour	\$55.00	\$ -		hour	\$55.00	\$ -		hour	\$55.00	\$ -		hour	\$55.00	\$ -		hour	\$55.00	\$ -		hour	\$55.00	\$ -		hour	\$55.00	\$ -		hour	\$55.00	\$ -
Word Processor		hour	\$31.00	\$ -		hour	\$31.00	\$ -		hour	\$31.00	\$ -		hour	\$31.00	\$ -		hour	\$31.00	\$ -		hour	\$31.00	\$ -		hour	\$31.00	\$ -		hour	\$31.00	\$ -
Clerical		hour	\$31.00	\$ -		hour	\$31.00	\$ -		hour	\$31.00	\$ -		hour	\$31.00	\$ -		hour	\$31.00	\$ -		hour	\$31.00	\$ -		hour	\$31.00	\$ -		hour	\$31.00	\$ -
Professional Labor Subtotal				\$ 1,203.00				\$ 1,743.00				\$ 4,907.00				\$ 435.00				\$ 352.00				\$ 704.00					\$ 3,216.00			
Equipment Rental																																
Total Station		day	\$100.00	\$ -		day	\$100.00	\$ -		day	\$100.00	\$ -		day	\$100.00	\$ -		day	\$100.00	\$ -		day	\$100.00	\$ -		day	\$100.00	\$ -		day	\$100.00	\$ -
YSI Multi-Meter		day	\$60.00	\$ -	1	day	\$60.00	\$ 60.00		day	\$60.00	\$ -		day	\$60.00	\$ -		day	\$60.00	\$ -		day	\$60.00	\$ -		day	\$60.00	\$ -		day	\$60.00	\$ -
Photoionization Detector (PID)		day	\$50.00	\$ -		day	\$50.00	\$ -		day	\$50.00	\$ 200.00		day	\$50.00	\$ -		day	\$50.00	\$ -		day	\$50.00	\$ -		day	\$50.00	\$ -		day	\$50.00	\$ -
Peristaltic Pump		day	\$50.00	\$ -		day	\$50.00	\$ -		day	\$50.00	\$ -		day	\$50.00	\$ -		day	\$50.00	\$ -		day	\$50.00	\$ -		day	\$50.00	\$ -		day	\$50.00	\$ -
Purge Pump		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -
Bladder Pump		day	\$125.00	\$ 125.00	1	day	\$125.00	\$ 125.00		day	\$125.00	\$ -		day	\$125.00	\$ -		day	\$125.00	\$ -		day	\$125.00	\$ -		day	\$125.00	\$ -		day	\$125.00	\$ -
Water Level Indicator		day	\$25.00	\$ -	1	day	\$25.00	\$ 25.00		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -
Hand Auger		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -
Digital Camera		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -
Equipment Rental Subtotal				\$ -				\$ 210.00				\$ 200.00				\$ -				\$ -				\$ -					\$ -			
Supplies																																
Level D PPE		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -		day	\$25.00	\$ -
Bailers		each	\$8.25	\$ -		each	\$8.25	\$ -		each	\$8.25	\$ -		each	\$8.25	\$ -		each	\$8.25	\$ -		each	\$8.25	\$ -		each	\$8.25	\$ -		each	\$8.25	\$ -
Hach Kit		each	\$5.75	\$ -		each	\$5.75	\$ -		each	\$5.75	\$ -		each	\$5.75	\$ -		each	\$5.75	\$ -		each	\$5.75	\$ -		each	\$5.75	\$ -		each	\$5.75	\$ -
Silicon Tubing		foot	\$1.50	\$ -	8	foot	\$1.50	\$ 12.00		foot	\$1.50	\$ -		foot	\$1.50	\$ -		foot	\$1.50	\$ -		foot	\$1.50	\$ -		foot	\$1.50	\$ -		foot	\$1.50	\$ -
Polyethylene Tubing		foot	\$0.50	\$ -	80	foot	\$0.50	\$ 40.00		foot	\$0.50	\$ -		foot	\$0.50	\$ -		foot	\$0.50	\$ -		foot	\$0.50	\$ -		foot	\$0.50	\$ -		foot	\$0.50	\$ -
Vinyl Tubing		foot	\$0.50	\$ -		foot	\$0.50	\$ -		foot	\$0.50	\$ -		foot	\$0.50	\$ -		foot	\$0.50	\$ -		foot	\$0.50	\$ -		foot	\$0.50	\$ -		foot	\$0.50	\$ -
Filters		each	\$15.00	\$ -		each	\$15.00	\$ -		each	\$15.00	\$ -		each	\$15.00	\$ -		each	\$15.00	\$ -		each	\$15.00	\$ -		each	\$15.00	\$ -		each	\$15.00	\$ -
Ice		each	\$1.50	\$ -		each	\$1.50	\$ -		each	\$1.50	\$ -		each	\$1.50	\$ -		each	\$1.50	\$ -		each	\$1.50	\$ -		each	\$1.50	\$ -		each	\$1.50	\$ -
Supplies Subtotal				\$ -				\$ 52.00				\$ -				\$ -				\$ -				\$ -					\$ -			
Document Production																																
Photocopies - B&W		each	\$0.10	\$ -		each	\$0.10	\$ -		each	\$0.10	\$ -		each	\$0.10	\$ -		each	\$0.10	\$ -		each	\$0.10	\$ -		each	\$0.10	\$ -		each	\$0.10	\$ -
11 x 17 Photocopies - B&W		each	\$0.15	\$ -		each	\$0.15	\$ -		each	\$0.15	\$ -		each	\$0.15	\$ -		each	\$0.15	\$ -		each	\$0.15	\$ -		each	\$0.15	\$ -		each	\$0.15	\$ -
Photocopies - Color		each	\$1.00	\$ -		each	\$1.00	\$ -		each	\$1.00	\$ -		each	\$1.00	\$ -		each	\$1.00	\$ -		each	\$1.00	\$ -		each	\$1.00	\$ -		each	\$1.00	\$ -
11 x 17 Photocopies - Color		each	\$1.75	\$ -		each	\$1.75	\$ -		each	\$1.75	\$ -		each	\$1.75	\$ -		each	\$1.75	\$ -		each	\$1.75	\$ -		each	\$1.75	\$ -		each	\$1.75	\$ -
PDF Report Bindings	1	each	\$45.00	\$ 45.00		each	\$45.00	\$ -		each	\$45.00	\$ -		each	\$45.00	\$ -		each	\$45.00	\$ -		each	\$45.00	\$ -		each	\$45.00	\$ -	1	each	\$45.00	\$ 45.00
Document Production Subtotal				\$ 45.00				\$ -				\$ -				\$ -				\$ -				\$ -					\$ 45.00			
Subcontractors & Outside Vendors																																
Analytical Laboratory VPH		each	\$75.00	\$ -		each	\$75.00	\$ -	8	each	\$75.00	\$ 600.00		each	\$75.00	\$ -		each	\$75.00	\$ -		each	\$75.00	\$ -		each	\$75.00	\$ -		each	\$75.00	\$ -
Analytical Laboratory EPH screen		each	\$55.00	\$ -		each	\$55.00	\$ -	8	each	\$55.00	\$ 440.00		each	\$55.00	\$ -		each	\$55.00	\$ -		each	\$55.00	\$ -		each	\$55.00	\$ -		each	\$55.00	\$ -
Analytical Laboratory EPH fractions		each	\$100.00	\$ -		each	\$100.00	\$ -	2	each	\$100.00	\$ 200.00		each	\$100.00	\$ -		each	\$100.00	\$ -		each	\$100.00	\$ -		each	\$100.00	\$ -		each	\$100.00	\$ -
VPH Water		each	\$75.00	\$ 375.00	5	each	\$75.00	\$ 375.00	9	each	\$75.00	\$ 675.00		each	\$75.00	\$ -		each	\$75.00	\$ -		each	\$75.00	\$ -		each	\$75.00	\$ -		each	\$75.00	\$ -
EPH Screen Water		each	\$55.00	\$ 220.00	4	each	\$55.00	\$ 220.00	8	each	\$55.00	\$ 440.00		each	\$55.00	\$ -		each	\$55.00	\$ -		each	\$55.00	\$ -		each	\$55.00	\$ -		each	\$55.00	\$ -
EPH Fractions Water		each	\$100.00	\$ 400.00	4	each	\$100.00	\$ 400.00	2	each	\$100																					