



November 12, 2019

Mr. Mike Schmoller  
Wisconsin Department of Natural Resources  
3911 Fish Hatchery Rd  
Fitchburg, Wisconsin 53711

**Re: Groundwater Monitoring Work Plan and DERF Change Order #6  
Klinke Cleaners  
1295 N. Sherman Avenue  
Madison, Wisconsin  
BRRTS#: 02-13-551965**

Dear Mr. Schmoller:

EnviroForensics, LLC (EnviroForensics) is pleased to submit this Work Plan for groundwater monitoring at the Klinke Cleaners facility located at 1295 N. Sherman Avenue in Madison, Wisconsin (the Site). This Work Plan has been prepared in response to a May 23, 2019 letter from WDNR, which indicated, in part, that additional groundwater monitoring would be required after completion of an interim action excavation to evaluate the effect of contaminant source removal on groundwater quality. The excavation was completed during July 2019, and a report documenting completion of the interim action was submitted to the Wisconsin Department of Natural Resources (WDNR) on September 29, 2019.

## **SCOPE OF WORK**

### **Work Plan Preparation**

EnviroForensics has prepared this Work Plan to serve as the procedures document for the following tasks:

- Groundwater monitoring field activities; and
- Data evaluation and reporting.

EnviroForensics recognizes and stresses the importance of safe work practices for site workers and the public. The existing Health and Safety Plan (HASP) for this project includes an assessment of hazards associated with groundwater monitoring activities.

## **Groundwater Monitoring Field Activities**

Four (4) groundwater monitoring events will be performed to establish concentrations trends at the monitoring well nests. The existing groundwater monitoring well network is depicted on **Figure 1**. Each event will include groundwater elevation and sample collection activities as described below.

Groundwater elevation will be measured at all existing monitoring wells. Monitoring well caps will be removed at least 15 minutes prior to collecting water level measurements to allow groundwater in the monitoring wells to equilibrate with atmospheric pressure. The depth to water in each well will be measured to the nearest 0.01 foot using an electronic water level indicator and recorded in the field notebook or sampling form.

Samples will be collected from well nests MW-1/PZ-1, MW-2/PZ-2, and MW-3/PZ-3 during each event. Additionally, samples will be collected from well nest MW-4/PZ-4 during the first monitoring event only. The purpose of the MW-4/PZ-4 sample is to evaluate potential contaminant contribution from the former Laundryland following the remedial efforts at that site. Samples will be collected using standard low flow (minimal drawdown) groundwater sampling procedures. A multi-parameter water quality meter will be used to measure temperature, pH, oxidation-reduction potential (ORP), specific conductance, and dissolved oxygen to verify stabilization prior to groundwater sample collection. Data collected during the sampling activities will be documented on EnviroForensics' field sampling form.

One (1) duplicate sample and one (1) equipment blank will be collected for every 10 or fewer investigative samples, and one (1) trip blank sample will be analyzed per sample cooler for quality assurance/quality control (QA/QC) purposes. The groundwater samples will be transmitted to a state-certified laboratory and analyzed for volatile organic compounds (VOCs) according to U.S. EPA Method 8260.

Purge water will be stored on-Site in a sealed and labeled 55-gallon steel drum. The drum will be emptied periodically, and the water will be transported to a licensed disposal facility by EnviroForensics staff.

## **Data Evaluation and Reporting**

EnviroForensics will evaluate and summarize the monitoring data on a per event basis and provide a brief update to WDNR via email. A single Groundwater Monitoring Report following completion of all four monitoring events will be prepared and submitted to WDNR. The report will be in letter format and will summarize the work performed and provide an analysis of the monitoring data. Tables, maps, figures, and appendices will be provided in the report, as appropriate, to aid data presentation and interpretation. The monitoring report will also provide recommendations for additional monitoring activities, if appropriate.

## **PROJECTED SCHEDULE**

Per the WDNR's May 23, 2019 letter, the groundwater monitoring events will be conducted on a flexible schedule, with all four events completed in a maximum of 18 months. Monitoring frequency will be based on a comparison of initial concentrations to the most recent groundwater data (collected in February 2015). If concentrations have reduced significantly since 2015, particularly at MW-3, the monitoring schedule can be accelerated with all events completed within 12 months. The first monitoring event will occur within one month of receiving WDNR approval of the work plan.

It is anticipated that each monitoring event can be completed in one (1) day. EnviroForensics expects to receive the laboratory analytical reports within two (2) weeks of sample submittal. The Groundwater Monitoring Report will be submitted within four (4) weeks of receipt of the final laboratory report.

## **COST ESTIMATE**

All services provided in support of this scope of work will be billed on a time-and-materials basis. The cost estimate to complete this scope of work is **\$16,150**. The estimated costs are summarized under Change Order #6 in the attached DERF Cost Detail Linking Spreadsheet (Form 4400-214D). A detailed cost breakdown is provided in the attached cost estimate sheets.

Please reply with written approval of the scope of work and associated costs presented herein. On behalf of Klinke Cleaners, we look forward to continuing to work with WDNR on environmental restoration of the Site.

Sincerely,  
**EnviroForensics, LLC**

A handwritten signature in blue ink, appearing to read "Brian Kappen".

Brian Kappen, PG  
*Project Manager*

Attachments

### **List of Attachments**

DERF Linking Spreadsheet (Form 4400-214D)  
Figure 1 - Monitoring Well Location Map  
Table 1 - Groundwater Monitoring Cost Estimate  
Cost Estimate Detail Sheets

Site Name: Klinke Cleaners - Sherman Avenue, Madison

BRRTS #: 02-13-551965

Type of Action: Site Investigations/ Interim Action

TASKS	BUDGET																
	Bid / Budgeted Amount	EnviroForensics Change Order #1, 3/2013	EnviroForensics Change Order #2, 9/2013	EnviroForensics Change Order #3, 7/2014	EnviroForensics Change Order #4, 5/2015	EnviroForensics Change Order #5, 5/2019	EnviroForensics Change Order #6, 11/2019	Total Approved Budget	Previous Claim DC-579	EnviroForensics, 14175, 1/31/2014	EnviroForensics, 14279, 2/28/2014	EnviroForensics, 14357, 3/31/2014	EnviroForensics, 14458, 4/30/2014	EnviroForensics, 14489, 5/31/2014	EnviroForensics, 14585, 6/30/2014	EnviroForensics, 14685, 7/31/2014	EnviroForensics, 14820, 8/31/2014
<b>Consultant Costs</b>																	
Workplan Development (01a)	\$ 4,330.00							\$ 4,330.00	\$ 4,231.55								
Subsurface Investigation (01b)	\$ 3,026.00							\$ 3,026.00	\$ 2,928.45								
Vapor Intrusion Assessment (01c)	\$ 1,377.00							\$ 1,377.00	\$ 897.00								
Investigation Derived Media Management (01d)	\$ 270.00							\$ 270.00	\$ 162.50								
Data Evaluation & Reporting (01e)	\$ 5,050.00							\$ 5,050.00	\$ 5,436.25								
<b>Further Site Investigation (Phase 02)</b>																	
Further Site Investigation Workplan (02a)		\$ 4,989.50						\$ 4,989.50	\$ 4,588.75								
Site Access Agreements (02b)		\$ 2,192.10						\$ 2,192.10	\$ 1,577.90								
Soil Borings & Monitoring Well Nests (02c)		\$ 12,276.00						\$ 12,276.00	\$ 14,436.20								
Quarterly GW Monitoring & Reporting, 3-quarters (02d)		\$ 12,318.50						\$ 12,318.50	\$ 6,961.05	\$ 810.20	\$ 1,548.25	\$ 477.00	\$ 1,448.75	\$ 413.30			
Investigation Derived Media Management (02e)		\$ 1,380.00						\$ 1,380.00	\$ 1,435.00								
Vapor Intrusion Pathway Review (02f)		\$ 560.00						\$ 560.00	\$ 552.50								
Data Evaluation & Reporting (02g)		\$ 5,776.50						\$ 5,776.50	\$ 5,810.05								
Project Management (02h)		\$ 4,997.50						\$ 4,997.50	\$ 3,898.00	\$ 487.50	\$ 275.00	\$ 156.00					
<b>Further Site Investigation (Phase 03)</b>																	
File Review (03a)			\$ 902.00					\$ 902.00	\$ 600.40								
Work Scope Development (03b)			\$ 2,234.00					\$ 2,234.00	\$ 1,968.95								
Off-Site Access Permit (03c)			\$ 1,737.00					\$ 1,737.00	\$ 548.75								
Soil Gas and Grab Groundwater Sampling (03d)			\$ 3,053.00					\$ 3,053.00	\$ 2,498.15								
Investigation-Derived Media Management (03e)			\$ 1,054.00					\$ 1,054.00	\$ -				\$ 445.00				
Data Evaluation and Reporting (03f)			\$ 2,955.00					\$ 2,955.00	\$ 2,801.25	\$ 292.50	\$ 47.50		\$ 538.00				
Project Management (03g)			\$ 1,415.00					\$ 1,415.00	\$ 65.00			\$ 37.30	\$ 188.50	\$ 372.50	\$ 253.50	\$ 351.00	
<b>Further Site Investigation (Phase 05)</b>																	
Work Scope Development (05a)				\$ 2,914.00				\$ 2,914.00						\$ 565.00	\$ 747.50	\$ 1,781.25	
Access Coordination (05b)				\$ 3,543.00				\$ 3,543.00									\$ 325.00
Vapor Intrusion Assessments (05c)				\$ 4,802.00				\$ 4,802.00									
Utility Inspection (05d)				\$ 630.00				\$ 630.00									
Groundwater Monitoring (05e)				\$ 4,626.00				\$ 4,626.00									\$ 32.50
Investigation-Derived Media Management (05f)				\$ 570.00				\$ 570.00									
Data Evaluation and Reporting (05g)				\$ 3,564.00				\$ 3,564.00									
Project Management (05h)				\$ 3,235.00				\$ 3,235.00									\$ 157.50
<b>Source Area Characterization (Phase 06)</b>																	
Work Scope Development (06a)				\$ 1,809.00				\$ 1,809.00									
Soil Boring and Sampling (06b)				\$ 2,613.30				\$ 2,613.30									
Data Analysis and Reporting (06c)				\$ 2,574.90				\$ 2,574.90									
Project Management (06d)				\$ 840.00				\$ 840.00									
<b>Interim Remedial Action (Phase 07)</b>																	
Interim Action Design Report (07a)					\$ 3,835.00			\$ 3,835.00									
Soil Excavation, Disposal, and Utility Lateral Replacement (07b)					\$ 9,333.00			\$ 9,333.00									
Interim Action Completion Report (07c)					\$ 3,100.00			\$ 3,100.00									
Project Management (07d)					\$ 1,425.00			\$ 1,425.00									
<b>Post-Remediation Groundwater Monitoring (Phase 09)</b>																	
Work Plan Preparation (09a)						\$ 850.00		\$ 850.00									
Groundwater Monitoring Field Activities (09b)						\$ 8,664.00		\$ 8,664.00									
Data Evaluation and Reporting (09c)						\$ 3,900.00		\$ 3,900.00									
<b>Consultant Cost Total</b>	<b>\$ 14,053.00</b>	<b>\$ 44,490.10</b>	<b>\$ 13,350.00</b>	<b>\$ 23,884.00</b>	<b>\$ 7,837.20</b>	<b>\$ 17,693.00</b>	<b>\$ 13,414.00</b>	<b>\$ 134,721.30</b>	<b>\$ 61,397.70</b>	<b>\$ 1,590.20</b>	<b>\$ 1,870.75</b>	<b>\$ 670.30</b>	<b>\$ 2,620.25</b>	<b>\$ 1,350.80</b>	<b>\$ 1,001.00</b>	<b>\$ 2,132.25</b>	<b>\$ 515.00</b>
<b>Sub-Contractor Costs</b>																	
Drilling	\$ 1,439.00	\$ 14,935.00	\$ 2,070.00		\$ 2,140.00			\$ 20,584.00	\$ 16,257.00								
Analytical	\$ 1,779.50	\$ 5,474.00	\$ 1,633.00	\$ 5,170.00	\$ 4,324.00	\$ 780.00	\$ 2,736.00	\$ 21,896.50	\$ 5,629.00	\$ 822.00							
Private Utility Locate		\$ 500.00	\$ 500.00	\$ 975.00	\$ 350.00	\$ 450.00		\$ 2,775.00	\$ 556.00								
Surveyor		\$ 750.00						\$ 750.00	\$ 1,070.00								
Waste Disposal		\$ 2,412.68	\$ 506.00	\$ 175.00	\$ 175.00	\$ 18,225.00		\$ 21,493.68	\$ 2,412.68				\$ 194.31				
Plumbing Contractor						\$ 11,000.00		\$ 11,000.00									
Excavation Contractor						\$ 26,245.00		\$ 26,245.00									
Paving Contractor						\$ 9,817.00		\$ 9,817.00									
<b>Sub-Contractor Cost Total</b>	<b>\$ 3,218.50</b>	<b>\$ 24,071.68</b>	<b>\$ 4,709.00</b>	<b>\$ 6,320.00</b>	<b>\$ 6,989.00</b>	<b>\$ 66,517.00</b>	<b>\$ 2,736.00</b>	<b>\$ 114,561.18</b>	<b>\$ 25,924.68</b>	<b>\$ -</b>	<b>\$ 822.00</b>	<b>\$ -</b>	<b>\$ 194.31</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>DERF ELIGIBLE SUB-TOTALS</b>	<b>\$ 17,271.50</b>	<b>\$ 68,561.78</b>	<b>\$ 18,059.00</b>	<b>\$ 30,204.00</b>	<b>\$ 14,826.20</b>	<b>\$ 84,210.00</b>	<b>\$ 16,150.00</b>	<b>\$ 249,282.48</b>	<b>\$ 87,322.38</b>	<b>\$ 1,590.20</b>	<b>\$ 2,692.75</b>	<b>\$ 670.30</b>	<b>\$ 2,814.56</b>	<b>\$ 1,350.80</b>	<b>\$ 1,001.00</b>	<b>\$ 2,132.25</b>	<b>\$ 515.00</b>
<b>Non-DERF Eligible Expenses</b>																	
Mileage								\$ 60.35									
Permit Fees								\$ 50.80									
DERF Reimbursement 1									\$ 255.00	\$ 476.25	\$ 188.51				\$ 260.00		
Document Delivery																	
<b>Non-DERF Cost Total</b>	<b>\$ 111.15</b>	<b>\$ 255.00</b>	<b>\$ -</b>	<b>\$ 476.25</b>	<b>\$ 188.51</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 260.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>INVOICE GRAND TOTAL</b>	<b>\$ 87,433.53</b>	<b>\$ 1,845.20</b>	<b>\$ 2,692.75</b>	<b>\$ 1,146.55</b>	<b>\$ 3,003.07</b>	<b>\$ 1,350.80</b>	<b>\$ 1,001.00</b>	<b>\$ 2,392.25</b>	<b>\$ 515.00</b>	<b>\$ 62070</b>	<b>\$ 62243</b>	<b>\$ 62428</b>	<b>\$ 62645</b>	<b>\$ 62815</b>	<b>\$ 63024</b>	<b>\$ 63227</b>	<b>\$ 63426</b>

Check Numbers

Site Name: Klinke Cleaners - Sherman Avenue, Madison

BRRTS #: 02-13-551965

Type of Action: Site Investigations/ Interim Action

TASKS	BUDGET																
	Bid / Budgeted Amount	EnviroForensics Change Order #1, 3/2013	EnviroForensics Change Order #2, 9/2013	EnviroForensics Change Order #3, 7/2014	EnviroForensics Change Order #4, 5/2015	EnviroForensics Change Order #5, 5/2019	EnviroForensics Change Order #6, 11/2019	Total Approved Budget	Previous Claim DC-579	EnviroForensics, 14913, 9/30/2014	EnviroForensics, 15006, 10/31/2014	EnviroForensics, 15083, 11/30/2014	EnviroForensics, 15231, 1/31/2015	EnviroForensics, 15336, 2/28/2015	EnviroForensics, 15430, 3/31/2015	EnviroForensics, 15542, 4/30/2015	EnviroForensics, 15635, 5/31/2015
<b>Consultant Costs</b>																	
Workplan Development (01a)	\$ 4,330.00							\$ 4,330.00	\$ 4,231.55								
Subsurface Investigation (01b)	\$ 3,026.00							\$ 3,026.00	\$ 2,928.45								
Vapor Intrusion Assessment (01c)	\$ 1,377.00							\$ 1,377.00	\$ 897.00								
Investigation Derived Media Management (01d)	\$ 270.00							\$ 270.00	\$ 162.50								
Data Evaluation & Reporting (01e)	\$ 5,050.00							\$ 5,050.00	\$ 5,436.25								
<b>Further Site Investigation (Phase 02)</b>																	
Further Site Investigation Workplan (02a)		\$ 4,989.50						\$ 4,989.50	\$ 4,588.75								
Site Access Agreements (02b)		\$ 2,192.10						\$ 2,192.10	\$ 1,577.90								
Soil Borings & Monitoring Well Nests (02c)		\$ 12,276.00						\$ 12,276.00	\$ 14,436.20								
Quarterly GW Monitoring & Reporting, 3-quarters (02d)		\$ 12,318.50						\$ 12,318.50	\$ 6,961.05								
Investigation Derived Media Management (02e)		\$ 1,380.00						\$ 1,380.00	\$ 1,435.00								
Vapor Intrusion Pathway Review (02f)		\$ 560.00						\$ 560.00	\$ 552.50								
Data Evaluation & Reporting (02g)		\$ 5,776.50						\$ 5,776.50	\$ 5,810.05								
Project Management (02h)		\$ 4,997.50						\$ 4,997.50	\$ 3,898.00								
<b>Further Site Investigation (Phase 03)</b>																	
File Review (03a)			\$ 902.00					\$ 902.00	\$ 600.40								
Work Scope Development (03b)			\$ 2,234.00					\$ 2,234.00	\$ 1,968.95								
Off-Site Access Permit (03c)			\$ 1,737.00					\$ 1,737.00	\$ 548.75								
Soil Gas and Grab Groundwater Sampling (03d)			\$ 3,053.00					\$ 3,053.00	\$ 2,498.15								
Investigation-Derived Media Management (03e)			\$ 1,054.00					\$ 1,054.00	\$ -								
Data Evaluation and Reporting (03f)			\$ 2,955.00					\$ 2,955.00	\$ 2,801.25								
Project Management (03g)			\$ 1,415.00					\$ 1,415.00	\$ 65.00								
<b>Further Site Investigation (Phase 05)</b>																	
Work Scope Development (05a)				\$ 2,914.00				\$ 2,914.00									
Access Coordination (05b)				\$ 3,543.00				\$ 3,543.00		\$ 325.00		\$ 32.50	\$ 1,716.30	\$ 227.50	\$ 260.00	\$ 65.00	
Vapor Intrusion Assessments (05c)				\$ 4,802.00				\$ 4,802.00				\$ 247.50	\$ 296.25	\$ 1,750.20	\$ 58.00		
Utility Inspection (05d)				\$ 630.00				\$ 630.00				\$ 65.00	\$ 356.50	\$ 249.00			
Groundwater Monitoring (05e)				\$ 4,626.00				\$ 4,626.00		\$ 2,243.10	\$ 246.25	\$ 43.65	\$ 198.75	\$ 1,630.50			
Investigation-Derived Media Management (05f)				\$ 570.00				\$ 570.00		\$ 23.75			\$ 80.00	\$ 511.09			
Data Evaluation and Reporting (05g)				\$ 3,564.00				\$ 3,564.00				\$ 118.75	\$ 403.85	\$ 847.00	\$ 102.00		
Project Management (05h)				\$ 3,235.00				\$ 3,235.00		\$ 97.50	\$ 97.50	\$ 237.50	\$ 175.00	\$ 290.00	\$ 577.00	\$ 237.75	\$ 455.00
<b>Source Area Characterization (Phase 06)</b>																	
Work Scope Development (06a)				\$ 1,809.00				\$ 1,809.00									\$ 1,929.50
Soil Boring and Sampling (06b)				\$ 2,613.30				\$ 2,613.30									
Data Analysis and Reporting (06c)				\$ 2,574.90				\$ 2,574.90									
Project Management (06d)				\$ 840.00				\$ 840.00									
<b>Interim Remedial Action (Phase 07)</b>																	
Interim Action Design Report (07a)								\$ 3,835.00	\$ 3,835.00								
Soil Excavation, Disposal, and Utility Lateral Replacement (07b)								\$ 9,333.00	\$ 9,333.00								
Interim Action Completion Report (07c)								\$ 3,100.00	\$ 3,100.00								
Project Management (07d)								\$ 1,425.00	\$ 1,425.00								
<b>Post-Remediation Groundwater Monitoring (Phase 09)</b>																	
Work Plan Preparation (09a)								\$ 850.00	\$ 850.00								
Groundwater Monitoring Field Activities (09b)								\$ 8,664.00	\$ 8,664.00								
Data Evaluation and Reporting (09c)								\$ 3,900.00	\$ 3,900.00								
<b>Consultant Cost Total</b>	\$ 14,053.00	\$ 44,490.10	\$ 13,350.00	\$ 23,884.00	\$ 7,837.20	\$ 17,693.00	\$ 13,414.00	\$ 134,721.30	\$ 61,397.70	\$ 2,340.60	\$ 692.50	\$ 281.15	\$ 406.25	\$ 4,003.05	\$ 1,649.60	\$ 3,962.54	\$ 2,858.50
<b>Sub-Contractor Costs</b>																	
Drilling	\$ 1,439.00	\$ 14,935.00	\$ 2,070.00		\$ 2,140.00			\$ 20,584.00	\$ 16,257.00								
Analytical	\$ 1,779.50	\$ 5,474.00	\$ 1,633.00	\$ 5,170.00	\$ 4,324.00	\$ 780.00	\$ 2,736.00	\$ 21,896.50	\$ 5,629.00	\$ 753.50			\$ 753.50		\$ 1,851.50		
Private Utility Locate		\$ 500.00	\$ 500.00	\$ 975.00	\$ 350.00	\$ 450.00		\$ 2,775.00	\$ 556.00						\$ 945.00		
Surveyor		\$ 750.00						\$ 750.00	\$ 1,070.00								
Waste Disposal		\$ 2,412.68	\$ 506.00	\$ 175.00	\$ 175.00	\$ 18,225.00		\$ 21,493.68	\$ 2,412.68								
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Paving Contractor						\$ 9,817.00		\$ 9,817.00									
<b>Sub-Contractor Cost Total</b>	\$ 3,218.50	\$ 24,071.68	\$ 4,709.00	\$ 6,320.00	\$ 6,989.00	\$ 66,517.00	\$ 2,736.00	\$ 114,561.18	\$ 25,924.68	\$ -	\$ 753.50	\$ -	\$ -	\$ 753.50	\$ -	\$ 2,796.50	\$ -
<b>DERF ELIGIBLE SUB-TOTALS</b>	\$ 17,271.50	\$ 68,561.78	\$ 18,059.00	\$ 30,204.00	\$ 14,826.20	\$ 84,210.00	\$ 16,150.00	\$ 249,282.48	\$ 87,322.38	\$ 2,340.60	\$ 1,446.00	\$ 281.15	\$ 406.25	\$ 4,756.55	\$ 1,649.60	\$ 6,759.04	\$ 2,858.50
<b>Non-DERF Eligible Expenses</b>																	
Mileage								\$ 60.35									
Permit Fees								\$ 50.80									
DERF Reimbursement 1																	
Document Delivery																	
<b>Non-DERF Cost Total</b>								\$ 111.15	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>INVOICE GRAND TOTAL</b>								\$ 87,433.53	\$ 2,340.60	\$ 1,446.00	\$ 281.15	\$ 406.25	\$ 4,756.55	\$ 1,649.60	\$ 6,759.04	\$ 2,858.50	

<b>Check Numbers</b>	64242	64242	64242	64439	64636	64877	65058	65297
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Site Name: Klinke Cleaners - Sherman Avenue, Madison

BRRS #: 02-13-551965

Type of Action: Site Investigations/ Interim Action

TASKS	BUDGET								Previous Claim DC-579	EnviroForensics, 15719, 6/30/2015	EnviroForensics, 15807, 7/31/2015	EnviroForensics, 15994, 8/31/2015	EnviroForensics, 16072, 9/30/2015	EnviroForensics, 16124, 10/31/2015	EnviroForensics, 16250, 11/30/2015	EnviroForensics, 16544, 1/31/2016	EnviroForensics, 20872, 2/28/2019	EnviroForensics, 20997, 3/31/2019
	Bid / Budgeted Amount	EnviroForensics Change Order #1, 3/2013	EnviroForensics Change Order #2, 9/2013	EnviroForensics Change Order #3, 7/2014	EnviroForensics Change Order #4, 5/2015	EnviroForensics Change Order #5, 5/2019	EnviroForensics Change Order #6, 11/2019	Total Approved Budget										
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Investigation Derived Media Management (02e)		\$ 1,380.00						\$ 1,380.00	\$ 1,435.00									
Vapor Intrusion Pathway Review (02f)		\$ 560.00						\$ 560.00	\$ 552.50									
Data Evaluation & Reporting (02g)		\$ 5,776.50						\$ 5,776.50	\$ 5,810.05									
Project Management (02h)		\$ 4,997.50						\$ 4,997.50	\$ 3,898.00									
<b>Further Site Investigation (Phase 03)</b>																		
File Review (03a)			\$ 902.00					\$ 902.00	\$ 600.40									
Work Scope Development (03b)			\$ 2,234.00					\$ 2,234.00	\$ 1,968.95									
Off-Site Access Permit (03c)			\$ 1,737.00					\$ 1,737.00	\$ 548.75									
Soil Gas and Grab Groundwater Sampling (03d)			\$ 3,053.00					\$ 3,053.00	\$ 2,498.15									
Investigation-Derived Media Management (03e)			\$ 1,054.00					\$ 1,054.00	\$ -									
Data Evaluation and Reporting (03f)			\$ 2,955.00					\$ 2,955.00	\$ 2,801.25									
Project Management (03g)			\$ 1,415.00					\$ 1,415.00	\$ 65.00									
<b>Further Site Investigation (Phase 05)</b>																		
Work Scope Development (05a)				\$ 2,914.00				\$ 2,914.00										
Access Coordination (05b)				\$ 3,543.00				\$ 3,543.00										
Vapor Intrusion Assessments (05c)				\$ 4,802.00				\$ 4,802.00	\$ 1,493.00									
Utility Inspection (05d)				\$ 630.00				\$ 630.00										
Groundwater Monitoring (05e)				\$ 4,626.00				\$ 4,626.00										
Investigation-Derived Media Management (05f)				\$ 570.00				\$ 570.00										
Data Evaluation and Reporting (05g)				\$ 3,564.00				\$ 3,564.00	\$ 351.50	\$ 241.95								
Project Management (05h)				\$ 3,235.00				\$ 3,235.00	\$ 201.00	\$ 318.50	\$ 308.00							
<b>Source Area Characterization (Phase 06)</b>																		
Work Scope Development (06a)				\$ 1,809.00				\$ 1,809.00										
Soil Boring and Sampling (06b)				\$ 2,613.30				\$ 2,613.30			\$ 2,075.50		\$ 47.50	\$ 218.50				
Data Analysis and Reporting (06c)				\$ 2,574.90				\$ 2,574.90			\$ 503.00	\$ 1,815.50						
Project Management (06d)				\$ 840.00				\$ 840.00				\$ 267.00	\$ 292.00	\$ 85.75				
<b>Interim Remedial Action (Phase 07)</b>																		
Interim Action Design Report (07a)					\$ 3,835.00			\$ 3,835.00									\$ 992.00	\$ 2,523.50
Soil Excavation, Disposal, and Utility Lateral Replacement (07b)					\$ 9,333.00			\$ 9,333.00										
Interim Action Completion Report (07c)					\$ 3,100.00			\$ 3,100.00										
Project Management (07d)					\$ 1,425.00			\$ 1,425.00										\$ 39.00
<b>Post-Remediation Groundwater Monitoring (Phase 09)</b>																		
Work Plan Preparation (09a)							\$ 850.00	\$ 850.00										
Groundwater Monitoring Field Activities (09b)							\$ 8,664.00	\$ 8,664.00										
Data Evaluation and Reporting (09c)							\$ 3,900.00	\$ 3,900.00										
<b>Consultant Cost Total</b>	\$ 14,053.00	\$ 44,490.10	\$ 13,350.00	\$ 23,884.00	\$ 7,837.20	\$ 17,693.00	\$ 13,414.00	\$ 134,721.30	\$ 61,397.70	\$ 2,045.50	\$ 560.45	\$ 2,886.50	\$ 2,082.50	\$ 339.50	\$ 304.25	\$ -	\$ 992.00	\$ 2,562.50
<b>Sub-Contractor Costs</b>																		
Drilling	\$ 1,439.00	\$ 14,935.00	\$ 2,070.00	\$ 2,140.00				\$ 20,584.00	\$ 16,257.00			\$ 2,298.50						
Analytical	\$ 1,779.50	\$ 5,474.00	\$ 1,633.00	\$ 5,170.00	\$ 4,324.00	\$ 780.00	\$ 2,736.00	\$ 21,896.50	\$ 5,629.00	\$ 1,656.00		\$ 2,740.00						
Private Utility Locate		\$ 500.00	\$ 500.00	\$ 975.00	\$ 350.00	\$ 450.00		\$ 2,775.00	\$ 556.00							\$ 222.50		
Surveyor		\$ 750.00						\$ 750.00	\$ 1,070.00									
Waste Disposal		\$ 2,412.68	\$ 506.00	\$ 175.00	\$ 175.00	\$ 18,225.00		\$ 21,493.68	\$ 2,412.68							\$ 202.09		
Plumbing Contractor						\$ 11,000.00		\$ 11,000.00										
Excavation Contractor						\$ 26,245.00		\$ 26,245.00										
Paving Contractor						\$ 9,817.00		\$ 9,817.00										
<b>Sub-Contractor Cost Total</b>	\$ 3,218.50	\$ 24,071.68	\$ 4,709.00	\$ 6,320.00	\$ 6,989.00	\$ 66,517.00	\$ 2,736.00	\$ 114,561.18	\$ 25,924.68	\$ 1,656.00	\$ -	\$ 5,038.50	\$ -	\$ -	\$ 202.09	\$ 222.50	\$ -	\$ -
<b>DERF ELIGIBLE SUB-TOTALS</b>	\$ 17,271.50	\$ 68,561.78	\$ 18,059.00	\$ 30,204.00	\$ 14,826.20	\$ 84,210.00	\$ 16,150.00	\$ 249,282.48	\$ 87,322.38	\$ 3,701.50	\$ 560.45	\$ 7,925.00	\$ 2,082.50	\$ 339.50	\$ 506.34	\$ 222.50	\$ 992.00	\$ 2,562.50
<b>Non-DERF Eligible Expenses</b>																		
Mileage								\$ 60.35										
Permit Fees								\$ 50.80										
DERF Reimbursement 1																		
Document Delivery																		
<b>Non-DERF Cost Total</b>								\$ 111.15	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>INVOICE GRAND TOTAL</b>								\$ 87,433.53	\$ 3,701.50	\$ 560.45	\$ 7,925.00	\$ 2,082.50	\$ 339.50	\$ 506.34	\$ 222.50	\$ 992.00	\$ 2,562.50	

<b>Check Numbers</b>	65488	65678	65862	66112	66305	66489	66934	010240	010239
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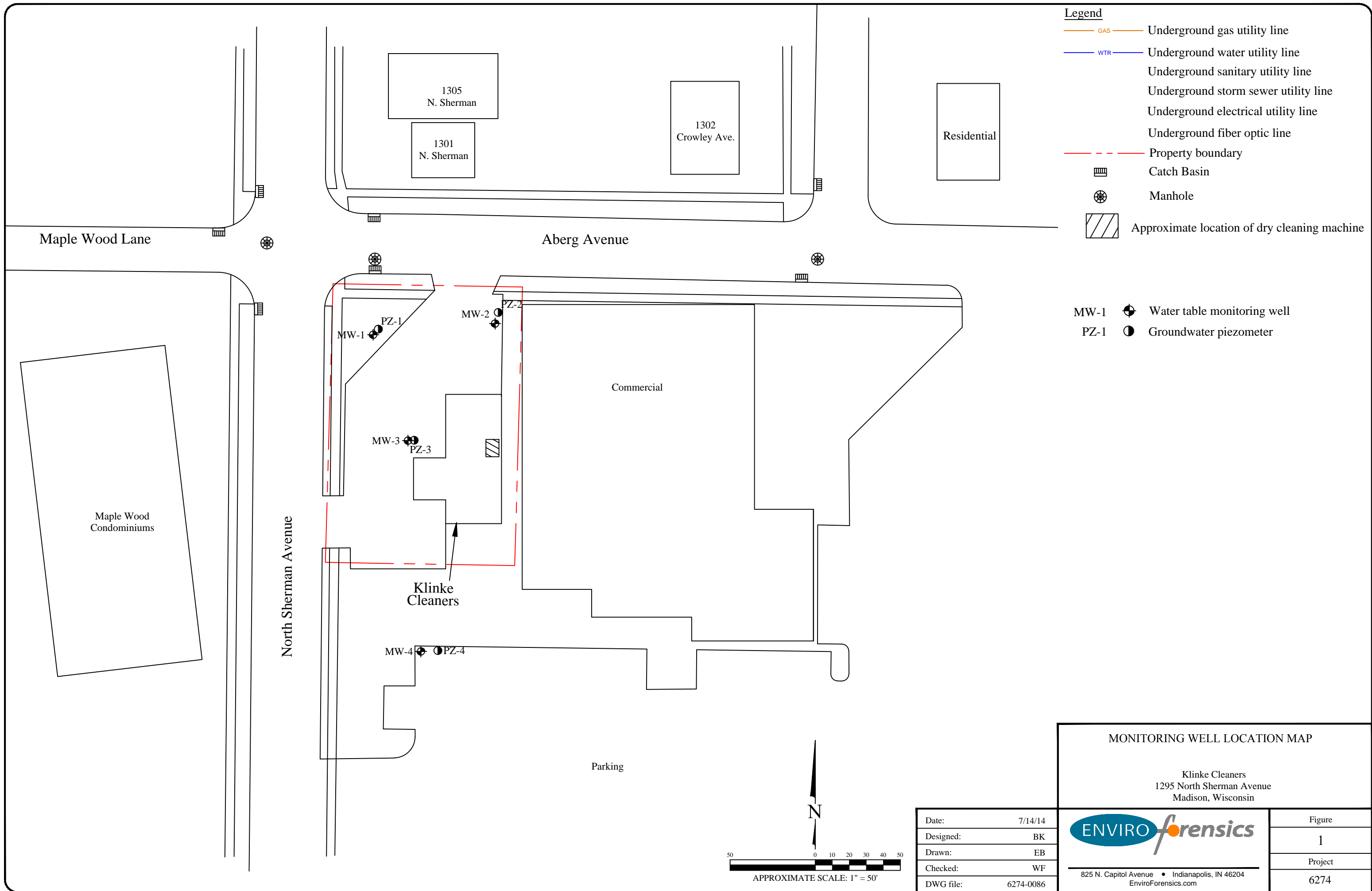
Site Name: *Klinke Cleaners - Sherman Avenue, Madison*  
 BRRTS #: *02-13-551965*  
 Type of Action: *Site Investigations/ Interim Action*

TASKS	BUDGET							Total Approved Budget	Previous Claim DC-579	EnviroForensics, 21301, 5/31/2019	EnviroForensics, 21507, 6/30/2019	EnviroForensics, 21642, 7/31/2019	EnviroForensics, 21830, 8/31/2019	EnviroForensics, 21984, 9/30/2019	Total Invoiced Costs
	Bid / Budgeted Amount	EnviroForensics Change Order #1, 3/2013	EnviroForensics Change Order #2, 9/2013	EnviroForensics Change Order #3, 7/2014	EnviroForensics Change Order #4, 5/2015	EnviroForensics Change Order #5, 5/2019	EnviroForensics Change Order #6, 11/2019								
<b>Consultant Costs</b>															
Workplan Development (01a)	\$ 4,330.00							\$ 4,330.00	\$ 4,231.55						\$ -
Subsurface Investigation (01b)	\$ 3,026.00							\$ 3,026.00	\$ 2,928.45						\$ -
Vapor Intrusion Assessment (01c)	\$ 1,377.00							\$ 1,377.00	\$ 897.00						\$ -
Investigation Derived Media Management (01d)	\$ 270.00							\$ 270.00	\$ 162.50						\$ -
Data Evaluation & Reporting (01e)	\$ 5,050.00							\$ 5,050.00	\$ 5,436.25						\$ -
<b>Further Site Investigation (Phase 02)</b>															
Further Site Investigation Workplan (02a)		\$ 4,989.50						\$ 4,989.50	\$ 4,588.75						\$ -
Site Access Agreements (02b)		\$ 2,192.10						\$ 2,192.10	\$ 1,577.90						\$ -
Soil Borings & Monitoring Well Nests (02c)		\$ 12,276.00						\$ 12,276.00	\$ 14,436.20						\$ -
Quarterly GW Monitoring & Reporting, 3-quarters (02d)		\$ 12,318.50						\$ 12,318.50	\$ 6,961.05						\$ 4,697.50
Investigation Derived Media Management (02e)		\$ 1,380.00						\$ 1,380.00	\$ 1,435.00						\$ -
Vapor Intrusion Pathway Review (02f)		\$ 560.00						\$ 560.00	\$ 552.50						\$ -
Data Evaluation & Reporting (02g)		\$ 5,776.50						\$ 5,776.50	\$ 5,810.05						\$ -
Project Management (02h)		\$ 4,997.50						\$ 4,997.50	\$ 3,898.00						\$ 918.50
<b>Further Site Investigation (Phase 03)</b>															
File Review (03a)			\$ 902.00					\$ 902.00	\$ 600.40						\$ -
Work Scope Development (03b)			\$ 2,234.00					\$ 2,234.00	\$ 1,968.95						\$ -
Off-Site Access Permit (03c)			\$ 1,737.00					\$ 1,737.00	\$ 548.75						\$ -
Soil Gas and Grab Groundwater Sampling (03d)			\$ 3,053.00					\$ 3,053.00	\$ 2,498.15						\$ -
Investigation-Derived Media Management (03e)			\$ 1,054.00					\$ 1,054.00	\$ -						\$ 445.00
Data Evaluation and Reporting (03f)			\$ 2,955.00					\$ 2,955.00	\$ 2,801.25						\$ 878.00
Project Management (03g)			\$ 1,415.00					\$ 1,415.00	\$ 65.00						\$ 1,202.80
<b>Further Site Investigation (Phase 05)</b>															
Work Scope Development (05a)				\$ 2,914.00				\$ 2,914.00							\$ 3,093.75
Access Coordination (05b)				\$ 3,543.00				\$ 3,543.00							\$ 2,951.30
Vapor Intrusion Assessments (05c)				\$ 4,802.00				\$ 4,802.00							\$ 3,844.95
Utility Inspection (05d)				\$ 630.00				\$ 630.00							\$ 670.50
Groundwater Monitoring (05e)				\$ 4,626.00				\$ 4,626.00							\$ 4,394.75
Investigation-Derived Media Management (05f)				\$ 570.00				\$ 570.00							\$ 614.84
Data Evaluation and Reporting (05g)				\$ 3,564.00				\$ 3,564.00							\$ 2,065.05
Project Management (05h)				\$ 3,235.00				\$ 3,235.00							\$ 3,152.25
<b>Source Area Characterization (Phase 06)</b>															
Work Scope Development (06a)					\$ 1,809.00			\$ 1,809.00							\$ 1,929.50
Soil Boring and Sampling (06b)					\$ 2,613.30			\$ 2,613.30							\$ 2,341.50
Data Analysis and Reporting (06c)					\$ 2,574.90			\$ 2,574.90							\$ 2,318.50
Project Management (06d)					\$ 840.00			\$ 840.00							\$ 644.75
<b>Interim Remedial Action (Phase 07)</b>															
Interim Action Design Report (07a)						\$ 3,835.00		\$ 3,835.00		\$ 411.70					\$ 3,927.20
Soil Excavation, Disposal, and Utility Lateral Replacement (07b)						\$ 9,333.00		\$ 9,333.00		\$ 520.00	\$ 192.00	\$ 9,826.02	\$ 608.66	\$ 1,039.00	\$ 12,185.68
Interim Action Completion Report (07c)						\$ 3,100.00		\$ 3,100.00				\$ 1,876.50			\$ 1,876.50
Project Management (07d)						\$ 1,425.00		\$ 1,425.00		\$ 308.00	\$ 65.00	\$ 143.00	\$ 299.00	\$ 78.00	\$ 932.00
<b>Post-Remediation Groundwater Monitoring (Phase 09)</b>															
Work Plan Preparation (09a)								\$ 850.00	\$ 850.00						
Groundwater Monitoring Field Activities (09b)								\$ 8,664.00	\$ 8,664.00						
Data Evaluation and Reporting (09c)								\$ 3,900.00	\$ 3,900.00						
<b>Consultant Cost Total</b>	\$ 14,053.00	\$ 44,490.10	\$ 13,350.00	\$ 23,884.00	\$ 7,837.20	\$ 17,693.00	\$ 13,414.00	\$ 134,721.30	\$ 61,397.70	\$ 1,239.70	\$ 257.00	\$ 9,969.02	\$ 2,784.16	\$ 1,117.00	\$ 55,084.82
<b>Sub-Contractor Costs</b>															
Drilling	\$ 1,439.00	\$ 14,935.00	\$ 2,070.00		\$ 2,140.00			\$ 20,584.00	\$ 16,257.00						\$ 2,298.50
Analytical	\$ 1,779.50	\$ 5,474.00	\$ 1,633.00	\$ 5,170.00	\$ 4,324.00	\$ 780.00	\$ 2,736.00	\$ 21,896.50	\$ 5,629.00		\$ 935.09				\$ 9,511.59
Private Utility Locate		\$ 500.00	\$ 500.00	\$ 975.00	\$ 350.00	\$ 450.00		\$ 2,775.00	\$ 556.00			\$ 1,222.86			\$ 2,390.36
Surveyor		\$ 750.00						\$ 750.00	\$ 1,070.00						\$ -
Waste Disposal		\$ 2,412.68	\$ 506.00	\$ 175.00	\$ 175.00	\$ 18,225.00		\$ 21,493.68	\$ 2,412.68		\$ 100.00	\$ 15,262.49			\$ 15,758.89
Plumbing Contractor								\$ 11,000.00					\$ 12,560.00		\$ 12,560.00
Excavation Contractor								\$ 26,245.00					\$ 23,552.00		\$ 23,552.00
Paving Contractor								\$ 9,817.00				\$ 10,991.00			\$ 10,991.00
<b>Sub-Contractor Cost Total</b>	\$ 3,218.50	\$ 24,071.68	\$ 4,709.00	\$ 6,320.00	\$ 6,989.00	\$ 66,517.00	\$ 2,736.00	\$ 114,561.18	\$ 25,924.68	\$ -	\$ 100.00	\$ 27,188.58	\$ 37,334.86	\$ -	\$ 77,062.34
<b>DERF ELIGIBLE SUB-TOTALS</b>	\$ 17,271.50	\$ 68,561.78	\$ 18,059.00	\$ 30,204.00	\$ 14,826.20	\$ 84,210.00	\$ 16,150.00	\$ 249,282.48	\$ 87,322.38	\$ 1,239.70	\$ 357.00	\$ 37,157.60	\$ 40,119.02	\$ 1,117.00	\$ 132,147.16
<b>Non-DERF Eligible Expenses</b>															
Mileage								\$ 60.35							\$ -
Permit Fees								\$ 50.80							\$ -
DERF Reimbursement 1														\$ 11.78	\$ 1,179.76
Document Delivery														\$ 11.78	\$ 11.78
<b>Non-DERF Cost Total</b>								\$ 111.15	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11.78	\$ 1,191.54
<b>INVOICE GRAND TOTAL</b>								\$ 87,433.53	\$ 1,239.70	\$ 357.00	\$ 37,157.60	\$ 40,119.02	\$ 1,128.78	\$ 1,128.78	\$ 133,338.70

**Check Numbers** 010244 | 010243 | 010246 | 010247 | 010248



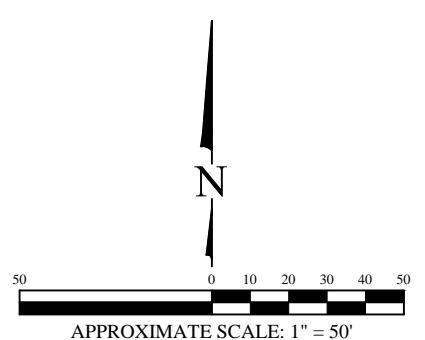




- Legend**
- GAS — Underground gas utility line
  - WTR — Underground water utility line
  - Underground sanitary utility line
  - Underground storm sewer utility line
  - Underground electrical utility line
  - Underground fiber optic line
  - - - Property boundary
  - Catch Basin
  - Manhole
  - Approximate location of dry cleaning machine
- 
- MW-1 Water table monitoring well
  - PZ-1 Groundwater piezometer

<b>MONITORING WELL LOCATION MAP</b>	
Klinke Cleaners 1295 North Sherman Avenue Madison, Wisconsin	
	Figure 1
825 N. Capitol Avenue • Indianapolis, IN 46204 EnviroForensics.com	Project 6274

Date:	7/14/14
Designed:	BK
Drawn:	EB
Checked:	WF
DWG file:	6274-0086





**TABLE 1**  
**GROUNDWATER MONITORING COST ESTIMATE**

Klinke Cleaners - Sherman Ave  
Madison, Wisconsin

<b>TASK</b>	<b>LABOR COSTS</b>	<b>SUB-CONTRACTOR COSTS</b>	<b>DIRECT COSTS</b>	<b>PHASE COST</b>
<b>Phase 09a</b>				
Work Plan Preparation	\$845	\$0	\$5	<b>\$850</b>
<b>Phase 09b</b>				
Groundwater Monitoring Field Activities	\$5,460	\$2,736	\$3,204	<b>\$11,400</b>
<b>Phase 09c</b>				
Data Evaluation and Reporting	\$3,850	\$0	\$50	<b>\$3,900</b>
<b>TOTAL</b>	<b>\$10,155</b>	<b>\$2,736</b>	<b>\$3,259</b>	<b>\$16,150</b>

**Project Title:**  
**Project Number/Name:**  
**Date:**

Klinke Cleaners - Sherman Ave  
 6274  
 8-Nov-19



Work Plan Preparation						
Labor - Field	Price	Unit	# Units		Subtotal	Task Total
Principal	\$210.00	hr			\$0.00	
Director	\$190.00	hr			\$0.00	
Sr Project Manager	\$170.00	hr			\$0.00	
Sr Professional	\$170.00	hr			\$0.00	
Project Manager	\$130.00	hr			\$0.00	
Project Professional	\$130.00	hr			\$0.00	
Staff Professional-Office	\$120.00	hr			\$0.00	
Staff Professional-Field	\$105.00	hr			\$0.00	
Field Professional	\$95.00	hr			\$0.00	
Drafting	\$90.00	hr			\$0.00	
Admin	\$65.00	hr			\$0.00	
Compliance Specialist	\$130.00	hr			\$0.00	
Vapor Intrusion Specialist	\$160.00	hr			\$0.00	
Health and Safety Specialist	\$150.00	hr			\$0.00	
		hr			\$0.00	
					\$0.00	\$0.00

Labor - Office/Reporting	Price	Unit	# Units		Subtotal	Task Total
Principal	\$210.00	hr			\$0.00	
Director	\$190.00	hr			\$0.00	
Sr Project Manager	\$170.00	hr	1.0		\$170.00	
Sr Professional	\$170.00	hr			\$0.00	
Project Manager	\$130.00	hr			\$0.00	
Project Professional	\$130.00	hr	4.0		\$520.00	
Staff Professional-Office	\$120.00	hr			\$0.00	
Staff Professional-Field	\$105.00	hr			\$0.00	
Field Professional	\$95.00	hr			\$0.00	
Drafting	\$90.00	hr	1.0		\$90.00	
Admin	\$65.00	hr	1.0		\$65.00	
Compliance Specialist	\$130.00	hr			\$0.00	
Vapor Intrusion Specialist	\$160.00	hr			\$0.00	
Health and Safety Specialist	\$150.00	hr			\$0.00	
		hr			\$0.00	
					\$845.00	\$845.00

Contractors/Consultants	Price	Unit	# Units	Markup	Subtotal	Task Total
Utility Locate		LS		1.00	\$0.00	
Driller		LS		1.00	\$0.00	
Surveyor		LS		1.00	\$0.00	
Waste Disposal		LS		1.00	\$0.00	
Historical Database Report		LS		1.00	\$0.00	
Remediation		LS		1.00	\$0.00	
				1.00	\$0.00	
				1.00	\$0.00	
				1.00	\$0.00	
				1.00	\$0.00	
					\$0.00	\$0.00

Contractor/Consultant - Laboratory	Price	Unit	# Units	Markup	Subtotal	Task Total
Soil VOC 8260 dry wt	\$83.50	ea		1.00	\$0.00	
Soil VOC 8260 dry wt QA/QC	\$83.50	ea		1.00	\$0.00	
GW VOC 8260	\$72.00	ea		1.00	\$0.00	
GW VOC 8260 QA/QC	\$72.00	ea		1.00	\$0.00	
Air TO-15 -- Soil Gas	\$200.00	ea		1.00	\$0.00	
Air TO-15 -- Sub-Slab	\$200.00	ea		1.00	\$0.00	
Air TO-15 -- Indoor Air	\$200.00	ea		1.00	\$0.00	
Air - Individual Certification	\$50.00	ea		1.00	\$0.00	
Air - Batch Certification	\$50.00	LS		1.00	\$0.00	
Trip Blank VOCs 8260	\$72.00	ea		1.00	\$0.00	
Level IV QA/QC (15%)					\$0.00	
					\$0.00	\$0.00

Direct Costs - Expenses	Price	Unit	# Units	Markup	Subtotal	Task Total
Hotel	\$120.00	day		1.00	\$0.00	
Meals	\$60.00	LS		1.00	\$0.00	
Misc Materials		LS		1.00	\$0.00	
Equipment Rental		LS		1.00	\$0.00	
					\$0.00	
					\$0.00	
					\$0.00	
					\$0.00	
					\$0.00	
					\$0.00	\$0.00

	Direct Costs - Chargeable Equipment Expense	Rate (hr/unit)	# Hrs/Units	Rate (day/use)	# days/use	Subtotal
Vehicles	Field Vehicle - Full Day	\$ 20.00		\$ 130.00		
	Mileage at Federal IRS Reimbursement Rate (used only for daily use over 230 miles)	\$ 0.560				
Meters	Air Velocity Meter (per use)			\$ 25.00		
	Multi-meter Conductivity/pH/Temp/TDS			\$ 165.00		
	Dissolved Oxygen Meter			\$ 40.00		
	FID Foxboro/Sensidyne (TIP)			\$ 155.00		
	Flow Calibrator			\$ 30.00		
	PID or 580 OVM			\$ 120.00		
	Turbidity Meter			\$ 30.00		
	ppb RAE			\$ 175.00		
Pumps	ORP Meter			\$ 30.00		
	Air Pump - Low Flow (Barcad)			\$ 25.00		
	Development Pump			\$ 130.00		
	Electric Submersible Pump with Control Box (Units)			\$ 130.00		
	Low-Flow Sampling Bladder	\$ 12.00				
	Peristaltic Pump			\$ 105.00		
	Pumping Test Accessory Equipment (Flow Meters/Manifold)	\$ 100.00				
Other	Portable SVE Unit - 1.5 HP			\$ 155.00		
	Pneumatic Low-Flow Sampling Kit w/ Flow Cell and Multimeter			\$ 270.00		
	Bailers (Disposable)	\$ 10.00				
	Bailers (Non-Disposable)			\$ 15.00		
	Core Boxes	\$ 10.00				
	Core Sampler			\$ 55.00		
	Data Logger with Transducer			\$ 155.00		
	Well Caps	\$ 30.00				
	Elec. Well Sounder (Probe)			\$ 30.00		
	Metal Detector			\$ 50.00		
	5035 Sample Kit	\$ 16.00				
	Field Book	\$ 11.00				
	Filter - Large	\$ 18.00				
	Filter - Small	\$ 9.00				
	Generator			\$ 105.00		
	Hand Auger			\$ 30.00		
	Helium QA/QC Kit			\$ 265.00		
	Helium QA/QC Accessories	\$ 20.00				
	Oil/Water Interface Probe			\$ 105.00		
	Padlocks	\$ 15.00				
	Steam Cleaner			\$ 130.00		
	Transducer (ea)			\$ 40.00		
	Coring Machine			\$ 200.00		
	Rotary Hammer Drill			\$ 170.00		
	Hand Drill			\$ 75.00		
	Tubing (Bonded) - Polyethylene (Teflon): 1/4" OD X 3/8"	\$ 1.50				
	Tubing (Bonded) - Polyethylene (Teflon): 1/4" OD X 1/4"	\$ 1.20				
	Tubing (Bonded) - Polyethylene (Teflon) : 1/16" OD X 1/4"	\$ 1.25				
	Tubing (Bonded) - Polyethylene: 1/4" OD X 3/8" OD (per foot)	\$ 1.10				
	Tubing - Polyethylene: 1/4" OD (per foot)	\$ 0.60				
	Tubing - Polyethylene: 1/2" OD (per foot)	\$ 0.85				
	Tubing - Tygon: 3/8" STD (per foot)	\$ 4.45				
	Tubing - Silicone: 3/8" STD (per foot)	\$ 4.50				
	55-Gallon Drum	\$ 55.00				
	Temporary Sampling Port	\$ 25.00				
	Vapor Pin Sub-Slab Sampling Port	\$ 75.00				
	Sub-Slab Cover (Stainless Steel)	\$ 40.00				
	Well Cover 8X12"	\$ 105.00				
	Measuring Wheel			\$ 15.00		
	Camera			\$ 25.00		
	1L Tedlar Bag	\$ 20.00				
	HAZMAT Exemption Shipper	\$ 40.00				
Manometers	\$ 105.00					
Westlaw	\$ 105.00					
CAD/drafting/graphics	\$ 90.00					
Safety	Cones, Baracades & Traffic Signs			\$ 10.00		
	Gloves (Chemical Resistant)	\$ 10.00				
	Level "B": Level "C1" plus SCBA			\$ 210.00		
	Level "C1": Level "C2" plus Polycoat Suit			\$ 85.00		
	Level "C2": Level "D" plus Respirator			\$ 40.00		
	Standby SCBA			\$ 130.00		
Production	Routine Field and Safety Equipment			\$ 50.00		
	1 Inch Binder	\$ 9.00				
	2 Inch Binder	\$ 12.00				
	3 Inch Binder	\$ 15.00				
	4 Inch Binder	\$ 22.00				
	Binder Tabs (Set of 8)	\$ 5.00				
	Color Copies	\$ 0.40	5			\$2.00
	B/W Copies	\$ 0.25	12			\$3.00
Document - Format/Sending	\$ 15.00					
Report CD Copy	\$ 5.00					
						\$5.00
<b>PHASE TOTAL</b>						<b>\$850.00</b>

Project Title:  
 Project Number/Name:  
 Date:

Klinke Cleaners - Sherman Ave  
 6274  
 8-Nov-19



**Groundwater Monitoring Field Activities**

<b>Labor - Field</b>	<b>Price</b>	<b>Unit</b>	<b># Units</b>		<b>Subtotal</b>	<b>Task Total</b>
Principal	\$210.00	hr			\$0.00	
Director	\$190.00	hr			\$0.00	
Sr Project Manager	\$170.00	hr			\$0.00	
Sr Professional	\$170.00	hr			\$0.00	
Project Manager	\$130.00	hr			\$0.00	
Project Professional	\$130.00	hr			\$0.00	
Staff Professional-Office	\$120.00	hr			\$0.00	
Staff Professional-Field	\$105.00	hr			\$0.00	
Field Professional	\$95.00	hr	44.0		\$4,180.00	
Drafting	\$90.00	hr			\$0.00	
Admin	\$65.00	hr			\$0.00	
Compliance Specialist	\$130.00	hr			\$0.00	
Vapor Intrusion Specialist	\$160.00	hr			\$0.00	
Health and Safety Specialist	\$150.00	hr			\$0.00	
		hr			\$0.00	
					\$4,180.00	\$4,180.00

<b>Labor - Office/Reporting</b>	<b>Price</b>	<b>Unit</b>	<b># Units</b>		<b>Subtotal</b>	<b>Task Total</b>
Principal	\$210.00	hr			\$0.00	
Director	\$190.00	hr			\$0.00	
Sr Project Manager	\$170.00	hr			\$0.00	
Sr Professional	\$170.00	hr			\$0.00	
Project Manager	\$130.00	hr	4.0		\$520.00	
Project Professional	\$130.00	hr			\$0.00	
Staff Professional-Office	\$120.00	hr			\$0.00	
Staff Professional-Field	\$105.00	hr			\$0.00	
Field Professional	\$95.00	hr	8.0		\$760.00	
Drafting	\$90.00	hr			\$0.00	
Admin	\$65.00	hr			\$0.00	
Compliance Specialist	\$130.00	hr			\$0.00	
Vapor Intrusion Specialist	\$160.00	hr			\$0.00	
Health and Safety Specialist	\$150.00	hr			\$0.00	
		hr			\$0.00	
					\$1,280.00	\$1,280.00

<b>Contractors/Consultants</b>	<b>Price</b>	<b>Unit</b>	<b># Units</b>	<b>Markup</b>	<b>Subtotal</b>	<b>Task Total</b>
Utility Locate		LS		1.00	\$0.00	
Driller		LS		1.00	\$0.00	
Surveyor		LS		1.00	\$0.00	
Waste Disposal		LS		1.00	\$0.00	
Historical Database Report		LS		1.00	\$0.00	
Remediation		LS		1.00	\$0.00	
				1.00	\$0.00	
				1.00	\$0.00	
				1.00	\$0.00	
				1.00	\$0.00	
					\$0.00	\$0.00

<b>Contractor/Consultant - Laboratory</b>	<b>Price</b>	<b>Unit</b>	<b># Units</b>	<b>Markup</b>	<b>Subtotal</b>	<b>Task Total</b>
Soil VOC 8260 dry wt	\$83.50	ea		1.00	\$0.00	
Soil VOC 8260 dry wt QA/QC	\$83.50	ea		1.00	\$0.00	
GW VOC 8260	\$72.00	ea	26.0	1.00	\$1,872.00	
GW VOC 8260 QA/QC	\$72.00	ea	8.0	1.00	\$576.00	
Air TO-15 -- Soil Gas	\$200.00	ea		1.00	\$0.00	
Air TO-15 -- Sub-Slab	\$200.00	ea		1.00	\$0.00	
Air TO-15 -- Indoor Air	\$200.00	ea		1.00	\$0.00	
Air - Individual Certification	\$50.00	ea		1.00	\$0.00	
Air - Batch Certification	\$50.00	LS		1.00	\$0.00	
Trip Blank VOCs 8260	\$72.00	ea	4.0	1.00	\$288.00	
Level IV QA/QC (15%)						
					\$2,736.00	\$2,736.00

<b>Direct Costs - Expenses</b>	<b>Price</b>	<b>Unit</b>	<b># Units</b>	<b>Markup</b>	<b>Subtotal</b>	<b>Task Total</b>
Hotel	\$120.00	day		1.00	\$0.00	
Meals	\$60.00	LS		1.00	\$0.00	
Misc Materials		LS		1.00	\$0.00	
Equipment Rental		LS		1.00	\$0.00	
					\$0.00	
					\$0.00	
					\$0.00	
					\$0.00	
					\$0.00	
					\$0.00	
					\$0.00	\$0.00

	Direct Costs - Chargeable Equipment Expense	Rate (hr/unit)	# Hrs/Units	Rate (day/use)	# days/use	Subtotal
Vehicles	Field Vehicle - Full Day	\$ 20.00		\$ 130.00	4.00	\$520.00
	Mileage at Federal IRS Reimbursement Rate (used only for daily use over 230 miles)	\$ 0.560				
Meters	Air Velocity Meter (per use)			\$ 25.00		
	Multi-meter Conductivity/pH/Temp/TDS			\$ 165.00		
	Dissolved Oxygen Meter			\$ 40.00		
	FID Foxboro/Sensidyne (TIP)			\$ 155.00		
	Flow Calibrator			\$ 30.00		
	PID or 580 OVM			\$ 120.00		
	Turbidity Meter			\$ 30.00		
	ppb RAE			\$ 175.00		
Pumps	ORP Meter			\$ 30.00		
	Air Pump - Low Flow (Barcad)			\$ 25.00		
	Development Pump			\$ 130.00		
	Electric Submersible Pump with Control Box (Units)			\$ 130.00		
	Low-Flow Sampling Bladder	\$ 12.00	14.00			\$168.00
	Peristaltic Pump			\$ 105.00		
	Pumping Test Accessory Equipment (Flow Meters/Manifold)	\$ 100.00				
	Portable SVE Unit - 1.5 HP			\$ 155.00		
Other	Pneumatic Low-Flow Sampling Kit w/ Flow Cell and Multimeter			\$ 270.00	4.00	\$1,080.00
	Bailers (Disposable)	\$ 10.00				
	Bailers (Non-Disposable)			\$ 15.00		
	Core Boxes	\$ 10.00				
	Core Sampler			\$ 55.00		
	Data Logger with Transducer			\$ 155.00		
	Well Caps	\$ 30.00				
	Elec. Well Sounder (Probe)			\$ 30.00	4.00	\$120.00
	Metal Detector			\$ 50.00		
	5035 Sample Kit	\$ 16.00				
	Field Book	\$ 11.00				
	Filter - Large	\$ 18.00				
	Filter - Small	\$ 9.00				
	Generator			\$ 105.00		
	Hand Auger			\$ 30.00		
	Helium QA/QC Kit			\$ 265.00		
	Helium QA/QC Accessories	\$ 20.00				
	Oil/Water Interface Probe			\$ 105.00		
	Padlocks	\$ 15.00				
	Steam Cleaner			\$ 130.00		
	Transducer (ea)			\$ 40.00		
	Coring Machine			\$ 200.00		
	Rotary Hammer Drill			\$ 170.00		
	Hand Drill			\$ 75.00		
	Tubing (Bonded) - Polyethylene (Teflon): 1/4" OD X 3/8" OD (per foot)	\$1.50				
	Tubing (Bonded) - Polyethylene (Teflon): 1/4" OD X 1/4" OD (per foot)	\$1.20				
	Tubing (Bonded) - Polyethylene (Teflon): 1/16" OD X 1/4" OD (per foot)	\$1.25				
	Tubing (Bonded) - Polyethylene: 1/4" OD X 3/8" OD (per foot)	\$1.10	700			\$770.00
	Tubing - Polyethylene: 1/4" OD (per foot)	\$0.60	380			\$228.00
	Tubing - Polyethylene: 1/2" OD (per foot)	\$0.85				
	Tubing - Tygon: 3/8" STD (per foot)	\$4.45				
	Tubing - Silicone: 3/8" STD (per foot)	\$4.50	12			\$54.00
55-Gallon Drum	\$ 55.00	1			\$55.00	
Temporary Sampling Port	\$ 25.00					
Vapor Pin Sub-Slab Sampling Port	\$ 75.00					
Sub-Slab Cover (Stainless Steel)	\$ 40.00					
Well Cover 8X12"	\$ 105.00					
Measuring Wheel			\$ 15.00			
Camera			\$ 25.00			
1L Tedlar Bag	\$ 20.00					
HAZMAT Exemption Shipper	\$ 40.00					
Manometers	\$105.00					
Westlaw	\$105.00					
CAD/drafting/graphics	\$90.00					
Safety	Cones, Baracades & Traffic Signs			\$ 10.00		
	Gloves (Chemical Resistant)	\$ 10.00				
	Level "B": Level "C1" plus SCBA			\$ 210.00		
	Level "C1": Level "C2" plus Polycoat Suit			\$ 85.00		
	Level "C2": Level "D" plus Respirator			\$ 40.00		
	Standby SCBA			\$ 130.00		
Production	Routine Field and Safety Equipment			\$ 50.00	4.00	\$200.00
	1 Inch Binder	\$ 9.00				
	2 Inch Binder	\$ 12.00				
	3 Inch Binder	\$ 15.00				
	4 Inch Binder	\$ 22.00				
	Binder Tabs (Set of 8)	\$ 5.00				
	Color Copies	\$ 0.40				
	B/W Copies	\$ 0.25	36			\$9.00
Document - Format/Sending	\$ 15.00					
Report CD Copy	\$ 5.00					
						\$3,204.00
<b>PHASE TOTAL</b>						<b>\$11,400.00</b>

**Project Title:**  
**Project Number/Name:**  
**Date:**

Klinke Cleaners - Sherman Ave  
 6274  
 8-Nov-19



**Data Evaluation and Reporting**

<b>Labor - Field</b>	<b>Price</b>	<b>Unit</b>	<b># Units</b>		<b>Subtotal</b>	<b>Task Total</b>
Principal	\$210.00	hr			\$0.00	
Director	\$190.00	hr			\$0.00	
Sr Project Manager	\$170.00	hr			\$0.00	
Sr Professional	\$170.00	hr			\$0.00	
Project Manager	\$130.00	hr			\$0.00	
Project Professional	\$130.00	hr			\$0.00	
Staff Professional-Office	\$120.00	hr			\$0.00	
Staff Professional-Field	\$105.00	hr			\$0.00	
Field Professional	\$95.00	hr			\$0.00	
Drafting	\$90.00	hr			\$0.00	
Admin	\$65.00	hr			\$0.00	
Compliance Specialist	\$130.00	hr			\$0.00	
Vapor Intrusion Specialist	\$160.00	hr			\$0.00	
Health and Safety Specialist	\$150.00	hr			\$0.00	
		hr			\$0.00	
					\$0.00	<b>\$0.00</b>

<b>Labor - Office/Reporting</b>	<b>Price</b>	<b>Unit</b>	<b># Units</b>		<b>Subtotal</b>	<b>Task Total</b>
Principal	\$210.00	hr			\$0.00	
Director	\$190.00	hr			\$0.00	
Sr Project Manager	\$170.00	hr	3.0		\$510.00	
Sr Professional	\$170.00	hr			\$0.00	
Project Manager	\$130.00	hr	12.0		\$1,560.00	
Project Professional	\$130.00	hr			\$0.00	
Staff Professional-Office	\$120.00	hr	4.0		\$480.00	
Staff Professional-Field	\$105.00	hr			\$0.00	
Field Professional	\$95.00	hr	8.0		\$760.00	
Drafting	\$90.00	hr	6.0		\$540.00	
Admin	\$65.00	hr			\$0.00	
Compliance Specialist	\$130.00	hr			\$0.00	
Vapor Intrusion Specialist	\$160.00	hr			\$0.00	
Health and Safety Specialist	\$150.00	hr			\$0.00	
		hr			\$0.00	
					\$3,850.00	<b>\$3,850.00</b>

<b>Contractors/Consultants</b>	<b>Price</b>	<b>Unit</b>	<b># Units</b>	<b>Markup</b>	<b>Subtotal</b>	<b>Task Total</b>
Utility Locate		LS		1.00	\$0.00	
Driller		LS		1.00	\$0.00	
Surveyor		LS		1.00	\$0.00	
Waste Disposal		LS		1.00	\$0.00	
Historical Database Report		LS		1.00	\$0.00	
Remediation		LS		1.00	\$0.00	
				1.00	\$0.00	
				1.00	\$0.00	
				1.00	\$0.00	
				1.00	\$0.00	
					\$0.00	<b>\$0.00</b>

<b>Contractor/Consultant - Laboratory</b>	<b>Price</b>	<b>Unit</b>	<b># Units</b>	<b>Markup</b>	<b>Subtotal</b>	<b>Task Total</b>
Soil VOC 8260 dry wt	\$83.50	ea		1.00	\$0.00	
Soil VOC 8260 dry wt QA/QC	\$83.50	ea		1.00	\$0.00	
GW VOC 8260	\$72.00	ea		1.00	\$0.00	
GW VOC 8260 QA/QC	\$72.00	ea		1.00	\$0.00	
Air TO-15 -- Soil Gas	\$200.00	ea		1.00	\$0.00	
Air TO-15 -- Sub-Slab	\$200.00	ea		1.00	\$0.00	
Air TO-15 -- Indoor Air	\$200.00	ea		1.00	\$0.00	
Air - Individual Certification	\$50.00	ea		1.00	\$0.00	
Air - Batch Certification	\$50.00	LS		1.00	\$0.00	
Trip Blank VOCs 8260	\$72.00	ea		1.00	\$0.00	
Level IV QA/QC (15%)					\$0.00	
					\$0.00	<b>\$0.00</b>

<b>Direct Costs - Expenses</b>	<b>Price</b>	<b>Unit</b>	<b># Units</b>	<b>Markup</b>	<b>Subtotal</b>	<b>Task Total</b>
Hotel	\$120.00	day		1.00	\$0.00	
Meals	\$60.00	LS		1.00	\$0.00	
Misc Materials		LS		1.00	\$0.00	
Equipment Rental		LS		1.00	\$0.00	
					\$0.00	
					\$0.00	
					\$0.00	
					\$0.00	
					\$0.00	
					\$0.00	
					\$0.00	<b>\$0.00</b>

	Direct Costs - Chargeable Equipment Expense	Rate (hr/unit)	# Hrs/Units	Rate (day/use)	# days/use	Subtotal
Vehicles	Field Vehicle - Full Day	\$ 20.00		\$ 130.00		
	Mileage at Federal IRS Reimbursement Rate (used only for daily use over 230 miles)	\$ 0.560				
Meters	Air Velocity Meter (per use)			\$ 25.00		
	Multi-meter Conductivity/pH/Temp/TDS			\$ 165.00		
	Dissolved Oxygen Meter			\$ 40.00		
	FID Foxboro/Sensidyne (TIP)			\$ 155.00		
	Flow Calibrator			\$ 30.00		
	PID or 580 OVM			\$ 120.00		
	Turbidity Meter			\$ 30.00		
	ppb RAE			\$ 175.00		
Pumps	ORP Meter			\$ 30.00		
	Air Pump - Low Flow (Barcad)			\$ 25.00		
	Development Pump			\$ 130.00		
	Electric Submersible Pump with Control Box (Units)			\$ 130.00		
	Low-Flow Sampling Bladder	\$ 12.00				
	Peristaltic Pump			\$ 105.00		
	Pumping Test Accessory Equipment (Flow Meters/Manifold)	\$ 100.00				
Other	Portable SVE Unit - 1.5 HP			\$ 155.00		
	Pneumatic Low-Flow Sampling Kit w/ Flow Cell and Multimeter			\$ 270.00		
	Bailers (Disposable)	\$ 10.00				
	Bailers (Non-Disposable)			\$ 15.00		
	Core Boxes	\$ 10.00				
	Core Sampler			\$ 55.00		
	Data Logger with Transducer			\$ 155.00		
	Well Caps	\$ 30.00				
	Elec. Well Sounder (Probe)			\$ 30.00		
	Metal Detector			\$ 50.00		
	5035 Sample Kit	\$ 16.00				
	Field Book	\$ 11.00				
	Filter - Large	\$ 18.00				
	Filter - Small	\$ 9.00				
	Generator			\$ 105.00		
	Hand Auger			\$ 30.00		
	Helium QA/QC Kit			\$ 265.00		
	Helium QA/QC Accessories	\$ 20.00				
	Oil/Water Interface Probe			\$ 105.00		
	Padlocks	\$ 15.00				
	Steam Cleaner			\$ 130.00		
	Transducer (ea)			\$ 40.00		
	Coring Machine			\$ 200.00		
	Rotary Hammer Drill			\$ 170.00		
	Hand Drill			\$ 75.00		
	Tubing (Bonded) - Polyethylene (Teflon): 1/4" OD X 3/8"	\$ 1.50				
	Tubing (Bonded) - Polyethylene (Teflon): 1/4" OD X 1/4"	\$ 1.20				
	Tubing (Bonded) - Polyethylene (Teflon) : 1/16" OD X 1/4"	\$ 1.25				
	Tubing (Bonded) - Polyethylene: 1/4" OD X 3/8" OD (per foot)	\$ 1.10				
	Tubing - Polyethylene: 1/4" OD (per foot)	\$ 0.60				
	Tubing - Polyethylene: 1/2" OD (per foot)	\$ 0.85				
	Tubing - Tygon: 3/8" STD (per foot)	\$ 4.45				
	Tubing - Silicone: 3/8" STD (per foot)	\$ 4.50				
	55-Gallon Drum	\$ 55.00				
	Temporary Sampling Port	\$ 25.00				
	Vapor Pin Sub-Slab Sampling Port	\$ 75.00				
	Sub-Slab Cover (Stainless Steel)	\$ 40.00				
	Well Cover 8X12"	\$ 105.00				
	Measuring Wheel			\$ 15.00		
	Camera			\$ 25.00		
	1L Tedlar Bag	\$ 20.00				
	HAZMAT Exemption Shipper	\$ 40.00				
Manometers	\$ 105.00					
Westlaw	\$ 105.00					
CAD/drafting/graphics	\$ 90.00					
Safety	Cones, Baracades & Traffic Signs			\$ 10.00		
	Gloves (Chemical Resistant)	\$ 10.00				
	Level "B": Level "C1" plus SCBA			\$ 210.00		
	Level "C1": Level "C2" plus Polycoat Suit			\$ 85.00		
	Level "C2": Level "D" plus Respirator			\$ 40.00		
	Standby SCBA			\$ 130.00		
Production	Routine Field and Safety Equipment			\$ 50.00		
	1 Inch Binder	\$ 9.00				
	2 Inch Binder	\$ 12.00				
	3 Inch Binder	\$ 15.00				
	4 Inch Binder	\$ 22.00				
	Binder Tabs (Set of 8)	\$ 5.00				
	Color Copies	\$ 0.40	10			\$ 4.00
	B/W Copies	\$ 0.25	124			\$ 31.00
Document - Format/Sending	\$ 15.00	1			\$ 15.00	
Report CD Copy	\$ 5.00					
						\$ 50.00
<b>PHASE TOTAL</b>						<b>\$ 3,900.00</b>