<u>I M P O R T A N T</u>

Notice Regarding This PDF File Transmission

If you received this transmission in error, please notify Giles Engineering Associates, Inc., by telephone (1-800-782-0610) or by return e-mail. The information contained in this PDF file is intended solely for the private and confidential use of the designated recipient. If you are not a designated or authorized recipient, further review, dissemination, distribution, or copying of this transmission is strictly prohibited.

To the Authorized Recipient:

This PDF file is an electronic transmission of a letter. An authenticated copy will also be issued to you for your files. The authenticated copy will be affixed with original signatures and/or our corporate seal. While we have taken precautions to assure a complete and secure electronic transmission, please be certain to check this letter against the authenticated copy for conformity.

GILES ENGINEERING ASSOCIATES, INC.





- Atlanta, GA
- Baltimore, MD
- Dallas, TX
- Los Angeles, CA
 Manassas, VA

Milwaukee, WI

March 2, 2017

ENGINEERING OSSOCIATES, INC.

GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

Wisconsin Department of Natural Resources 2984 Shawano Avenue Green Bay, WI 54313-6727

Attention: Mr. Bob Klauk Hydrogeologist

Subject: Request for Approval of Change in Scope (Change Order No. 03) Smoke-Out Cleaners Site 1631 D-4 Brookfield Avenue Howard, Wisconsin BRRTS No. 02-05-552214 Project No. 1E-1105023

Dear Mr. Klauk:

Giles Engineering Associates, Inc. (Giles) is providing this correspondence (Change Order No. 03) to the Wisconsin Department of Natural Resources (WDNR) to document the change in scope associated with the site investigation services being performed at the Smoke-Out Cleaners (Site), located at 1631 D-4 Brookfield Avenue, in the Village of Howard, Brown County, Wisconsin. The proposed scope of services and cost estimate (Change Order No. 03) is to perform the following activities which were not part of the prior services for the site investigation.

Proposed Scope of Services

- 1) Collect one additional set of sub-slab vapor samples from the Site's six vapor points, and submit the samples for volatile organic compound (VOC) analysis. The additional samples are needed to evaluate conditions when the ground is frozen.
- 2) Install one piezometer to 30 feet below ground surface (bgs) adjacent to downgradient monitoring well MW-8. The piezometer is needed to evaluate whether chlorinated compounds, which are heavier than water, are migrating downward toward aquifers used as a source for drinking water. Following development, one groundwater sample will be collected from the piezometer and submitted for laboratory analysis of VOCs. This work would be completed in conjunction with the sub-slab vapor sampling.
- Collect an additional round of groundwater samples from the Site's nine monitoring wells, and submit them for VOCs analysis. This sampling will be conducted in conjunction with the piezometer sampling event.
- 4) Collect water samples from the four private potable wells which provide drinking water for the property on which Smoke-Out is located, in conjunction with the piezometer sampling. These water samples will be submitted for VOCs analysis.





Request for Approval of Change In Scope (Change Order No. 03) Smoke-Out Cleaners Howard, Wisconsin Project No. 1E-1105023 Page 2

5) Prepare a report summarizing the results of the subsurface investigation. **Sub-Slab Vapor Sampling**

The additional sub-slab vapor sampling is designed to evaluate the threat of vapor intrusion into the building housing Smoke-Out Cleaners when the exterior ground surface is frozen. The sub-slab samples will be collected from the six existing vapor points. The vapor samples will be collected by connecting Teflon tubing to each of the six vapor pins and to a 6-liter negatively-pressured vacuum canister (Summa canister) equipped with a flow controller. Collection of each vapor sample typically takes approximately 30 to 45 minutes.

The canisters will be shipped to a Wisconsin-certified laboratory and the vapor samples will be analyzed for select VOCs by EPA Method TO-15. In particular, the vapor samples will be analyzed for the previously detected chlorinated VOCs.

Piezometer Installation and Groundwater Sampling

Giles will oversee the installation of one exterior piezometer to evaluate whether chlorinated compounds, which are heavier than water, are migrating downward toward the aquifer used as a source for drinking water. To minimize the investigative waste, the NR-141 "variance" well will be completed using direct push methods, and a pre-packed screen will be installed. The piezometer will be located adjacent to monitoring well MW-8, near the west side of the building (1651 Brookfield Avenue) to the east of Smoke-Out Cleaners. The proposed piezometer location is shown on Figure 2A (Attached).

VOCs were not detected in the previously analyzed soil sample from MW-8, indicating that the eastern extent of soil impacts is defined. In addition, VOCs have not been detected in the groundwater samples from monitoring well MW-8. Therefore, no soil samples from the proposed piezometer boring will be submitted for laboratory analysis, and any soil cuttings generated during drilling will be spread on site.

The piezometer will be developed prior to collecting a groundwater sample for VOCs analysis by EPA Method 8260B. Groundwater samples will also be collected from the Site's nine monitoring wells and submitted for VOC analysis. The water generated during well development and sampling will be placed in drums pending disposal arrangements.

Potable Well Sampling

During discussions with the former owner of the property, it was learned that there are on-property potable wells which provide the drinking water for the tenants. Giles will sample the potable wells to evaluate whether VOC contaminants are present in the drinking water. The water samples will be collected from the nearest accessible spigot to each well. The water will be allowed to run for several minutes prior to filling the sample containers. The samples, which will be collected in conjunction with other investigative activities, will be submitted for laboratory analysis of VOCs.



Request for Approval of Change In Scope (Change Order No. 03) Smoke-Out Cleaners Howard, Wisconsin Project No. 1E-1105023 Page 3

Subsurface Report Preparation

Following receipt of the laboratory results, a subsurface investigation report will be prepared. The report will describe the geologic and hydrogeologic characteristics of the Site, and will summarize the soil, groundwater and soil vapor analytical results collected during the investigation.

<u>Cost</u>

The cost to complete the tasks associated with Change Order No. 3 is \$12,665. A detailed cost summary is included on the attached DERF Form 4400-233 sheets. This change order includes: collecting one additional round of sub-slab vapor samples from the six vapor points (while the ground is frozen); installing, developing and collecting one groundwater sample from a new piezometer; collecting one round of groundwater samples from the Site's nine existing monitoring wells; collecting one round of groundwater samples from the four potable which provide drinking water to the property on which Smoke-Out is located; and, preparing a subsurface investigation report.

This document was prepared to satisfy the requirements of ch. NR 169.23(3)(c) Wis. Adm. Code and to ensure the referenced additional services requested by the WDNR maintain eligibility for reimbursement under the DERF program. Giles will proceed with the additional Site investigation activities presented in this correspondence upon receipt of written notification to proceed from the WDNR.



Request for Approval of Change In Scope (Change Order No. 03) Smoke-Out Cleaners Howard, Wisconsin Project No. 1E-1105023 Page 4

Please contact the undersigned with any questions.

Very truly yours,

GILES ENGINEERING ASSOCIATES, INC.

avens

Stephen M. Owens, P.G. Project Manager

Kevin T. Bugel, P.G., C.P.G.

Environmental Division Manager

Attachments: Figure 1: Proposed Piezometer Location DERF Form 4400-233 (Change Order 03) DERF Form 4400-214d

Distribution: Wisconsin Department of Natural Resources Attn: Mr. Robert Klauk (1 via USPS, 1 via email: <u>robert.klauk@wisconsin.gov</u>)

> Smoke-Out Cleaners Attn: Mr. Mark Woppert (1 via email: <u>mark@smoke-out.net</u>)

Team Self Storage, LLC Attn: Mr. Chris Dockry (1 via email: <u>chris@teamselfstorage.com</u>)

© Giles Engineering Associates, Inc. 2017 G:/1E-1105023 Letter/11Env02/smo



1. A	-	SOLETSKI SURVEYING	
			[]]
LEGEND:			and the second se
•	PROPOSED PIEZOMETER	1880	
HP-1	HAND PROBE SOIL BORING	N	
GP-1	DIRECT-PUSH SOIL BORING/ TEMPORARY WELL	W-E	- th
GP-2	DIRECT-PUSH SOIL BORING	A PA	
<u>M₩</u> −1	GROUNDWATER MONITORING WELL	the second se	GILES ENGINEERING OSSOCIATES, INC. N8 W22350 JOHNSON DRIVE, SUITE A1 WAUKESHA, WI 53186 (262)544-0118
VP-3	SOIL VAPOR POINT	0 20' 30' APPROXIMATE	FIGURE 1 PROPOSED PIEZOMETER LOCATION PLAN
VP-1	FORMER SOIL VAPOR POINT	SCALE	SMOKE-OUT CLEANERS 1631 BROOKFIELD AVENUE, D-4 GREEN BAY, WISCONSIN
	UNDERGROUND ELECTRIC LINE		DESIGNED DRAWN SCALE DATE REVISED
O O	MANHOLE	1.) BASE MAP IS APPROXIMATE BASED ON AERIAL PHOTOGRAPHY, FIELD OBSERVATIONS, AND A	KTB/SMO JSZ approx. 1"=30' 01-27-17
		BROWN COUNTY GIS MAP.	PROJECT NO.: 1E-1105023 CAD No. 1E1105023F

State of WIsconsin Department of Natural Resources PO Box 7921, Madison WI 53707-7921 dnr.wi.gov

DERF Site Investigation Bid Summary Consultant Selection Cover Sheet

Form 4400-233 (R 4/04) Page 1 of 6

Notice: Use this form to notify the Department of Natural Resources of the consultant you are selecting to conduct a site investigation and to submit and summarize the bids required in the Dry Cleaner Environmental Response Fund (DERF) Program. This form is authorized under s. 292.65, Wis. Stats. and s. NR 169.23, Wis. Adm. Code. Completion of this form is mandatory for any person applying for DERF reimbursement. Persons who do not submit a completed form will not be eligible for reimbursement under DERF. Personal information will be used to manage the DERF program, and be made available to requesters under Wisconsin's Open Records laws (ss. 19.32-19.39, Wis. Stats.) and requirements.

Complete the following information and submit it to your DNR regional project manager. Copy this form as necessary.

Site Information									
Site name: Smoke-Out Cleaners	Site	Facility Name: 1631 A-1 Brookfield Avenue Village BRRTS # 02-05-552214							
Investigaion		of Howard, Green Bay, WI							
Consultant Selected									
Consultant Name: Giles Engineering	Associate	es, Inc.	Consultant Address: N8 W22350 Johnson Dr., Suite A1, Waukesha, WI						
			53186						

Summary of Costs:								
Consultant Name:								
Consulting costs:								
Drilling costs:								
Analytical costs:								
Miscellaneous costs:								
Total Costs:								

Consultant Name:	
Consulting costs:	
Drilling costs:	
Analytical costs:	
Miscellaneous costs:	
Total Costs:	

Consultant Name:								
Consulting costs:								
Drilling costs:								
Analytical costs:								
Miscellaneous costs:								
Total Costs:								

Optional 4th bid information:

Consultant	Name:	
Consulting c	osts:	
Drilling costs	S:	
Analytical co	osts:	
Miscellaneou	us costs:	
Total Costs:		

Justification for Selection:

Applicant Information and Certificatio	n					
I certify that the information contained above is true	e and correct to the best of my know	wledge.				
Applicant Name		Date				
Street Address	City	State	Zip Code			
Signature						
	Department Use Only					
Project Manager Approval Signature	Phone Number		Date			
If not approved, reason for non-approval:						

DERF Site Investigation Bid Sheet Consultant Bid Summary

Form 4400-233 (R 4/04) Page 2 of 6

Site Information Site Name: Smoke-Out Cleaners, Howard, WI

Consultant Name: Giles Engineering Assoc	ciates, Inc.	Applicant Name: Smoke-Out Cleaners, Ltd. Mark Woppert
Bid Summary		
Drilling Costs Total =	\$1,845.00	
Analytical Costs Total =	\$2,560.00	
Consulting Costs Total =	\$7,340.00	
Misc Costs Total =	\$920.00	
Grand Total =	\$12,665.00	Change Order No. 03

I certify that the costs are an accurate estimate of my Change Order No. 2 projected costs for the site investigation and I understand and will adhere to s.292.65 Stats. and ch NR 169, Wis. Adm. Code.

Consultant Signature		Date
	Stephen M. Choens	2.6-17

Please attach to these forms a written narratige specifying how the tasks outlined in these sheets will be performed.

Drilling Costs						
Task	Interval	Number of Borings or Wells	Number of Days	Total Number Feet Drilled	Cost/feet, Day or Well	Total Cost
Well installation and Com	pletion					
Well Install (Pre-Pack Screens)	_0_ ft to <u>30 </u> ft	1	1	30	\$19	\$570
`	ft to ft					
	ft to ft					
	> ft					
Decontamination Costs						
Mobilization Costs						
Auger Borings (continuou	is sampling)					
Soil Borings	_ <u>0_</u> ft_toft				\$15	\$0
	ft to ft					
	ft to ft					
	> ft					
Decontamination Costs						
Mobilization Costs						
Auger Borings (specify sp	olit spoon sampling inter	rval)				
	ft_toft					
	ft to ft					
	ft toft					
	> ft					
Decontamination Costs						
Mobilization Costs						
Direct Push Borings (per	noint)					
Soil Borings	< _20_ ft depth				\$ 10	\$0
	ft ft depth				\$ 10	\$ 0
	> <u>20</u> ft depth	1	1	30	\$ 11	\$330
Decontamination Costs					Ť	\$175
Mobilization Costs						\$575
Well Development (if don	e by subcontractor)					
	Monitoring Wells					
	Piezometers					
	Recovery Wells					
Other						
Drums					\$75	\$0
Flush Mount Covers			1		\$195	\$195
Protector Pipes					<i></i>	
Support Truck					\$225	\$0
Total Drilling Costs						\$1,845

Consultant Name: Giles Engineering Site Name: Smoke-Out Cleaners, Howard, WI BRRTS #02-05-552214:

DERF Site Investigation Bid Sheet Analytical Costs Form 4400-233 (R 4/04) Page 4 of 6

Date: 3/2/17 (Change Order 03)

Parameter		Certified	-		d Test/Fie	-				
	\$/	#	Method	\$/	#	Method	-	# Samples	Method	
	sample	samples	Used	sample	samples	Used	\$/Day	# Days	Used	Total Costs
Solids Analysis	•									
VOCs	\$65		8260							\$0.00
TCLP										\$0.00
RCRA Metals										\$0.00
Duplicate Analyses										\$0.00
Blank Analyses										\$0.00
Other: (Specify)										\$0.00
Matar Analysia (law flaw somal			othorwing	indiaata	d at hattam	of this obs				\$0.00
Water Analysis (low flow sampl VOCs	-	-	-	Indicated		or this she	el)	T		¢040.00
Nitrate*	\$65		8260							\$910.00
Dissolved Oxygen*	\$15									\$0.00
Temperature*										\$0.00
Ferrous Iron*	фо г									\$0.00
Sulfate*	\$25									\$0.00
Sulfide*	\$15									\$0.00
ORP*	\$15									\$0.00
pH*										\$0.00
TOC*	\$ 00									\$0.00
	\$30									\$0.00
Alkalinity* Chloride*	\$15									\$0.00
	\$15									\$0.00
Spec. Conductance* Ethene/Ethane/Methane*	¢400									\$0.00
	\$120									\$0.00
Hydrogen* Carbon Dioxide*	\$120									\$0.00
RCRA Metals	\$125									\$0.00
										\$0.00
Duplicate Analyses Blank Analyses										\$0.00
Other: (Specify)										\$0.00
Nitrogen (Total Kjeldahl)	<u>фо</u> г									\$0.00
Phosphorous (Total)	\$25									\$0.00
Manganese	\$25									\$0.00
	\$15						<u> </u>	<u> </u>		\$0.00
Air Analysis VOCs (TO-15)	0.7 5		TO-15			1	1	1	1	¢1 650 00
TCE	\$275	0	10-15							\$1,650.00 \$0.00
PCE (minimum detection limit										φ 0. 00
is <10 ppbv)										\$0.00
Other: (Specify)										\$0.00
										\$0.00
Waste Analyses (soil/water)			1				1	I	1	
- ` ` · · ·	[[[\$0.00
										\$0.00
Miscellaneous (specify)					l					+
										\$0.00
	1	1					1			\$0.00
Charge for Mobile Lab (indicate	# days ar	nd daily fee	e)				•	•		
Total Analytical Costs										\$2,560.00

* Natural Attenuation parameters required for consideration of NA as remedy.

Consultant:Giles Site Name:Smoke-Out Cleaners, Howard, WI BRRTS #:02-05-552214 Date:3/2/17

DERF Site Investigation Bid Summary Consultant Costs Form 4400-233 (R 4/04) Page 5 of 6

										He	ours/Ta	sk							
						nt		6	ent								Other (spe	cify)	
Position (specify)	Hourly Rate	Change Order Development	Sub-Slab Vapor Point Installation	Sub-Slab Soil Vapor Sampling	Well Elevation Survey	Drilling Oversight	Soil Sampling	Drilling sampling	Well Development	Groundwater sampling (w/ potable wells)	Soil gas/vapor intrusion survey	SSRCL calculations (contained out or remedial actions)	SI Report preparation	RAOR Report preparation	Project Management	Data Reduction	Sub-Slab De- pressurization System Coord	DNR Semi- Annual Rptg/ Corresp	Total Costs
Professional Staff																			
Sr. Project Manager	\$115	2													4	1		1	\$920.00
Project Manager	\$85	8		2		1			1	4			3		10	6		2	\$3,145.00
Staff Hydrogeologist	\$75												15						\$1,125.00
																			\$0.00
																			\$0.00
Field Staff																			
Field Technician	\$65			4	1	2		2	2	12						6			\$1,885.00
																			\$0.00
																			\$0.00
																			\$0.00
																			\$0.00
																			\$0.00
Office Support Staff																			
CAD Operator	\$55	1											1			2			\$220.00
Clerical	\$45												1						\$45.00
																			\$0.00
																			\$0.00
																			\$0.00
Total Consulting Costs																			\$7,340.00

DERF Site Investigation Bid Summary Sheet

Miscellaneous Costs

Form 4400-233 (R 4/04) Page 6 of 6

Major Activity	Specifications	Commodity Unit (specify)	Unit Rate	Number of Units	Total Cost
IDW Disposal					
Soil Disposal - Transport	Non-Hazardous	Round Trip	\$130		\$0.00
Soil Disp -Landfill (including tax)	Non-Hazardous	Ton	\$48		\$0.00
Soil Disp - Landfill: Fuel - Env Fees	Non-Hazardous	%	0.2156		\$0.00
	Hazardous				
Groundwater Disposal	Non-Hazardous	Drum	\$50	3	\$150.00
Groundwater Transport	Non-Hazardous	Round Trip	\$100	1	\$100.00
					\$0.00
Equipment Rental (list and include sh	nipping costs if applica	able)			
Hammer Drill		Day	\$50		\$0.00
Air Pump and Tubing		Day	\$35		\$0.00
Water Level Indicator		Day	\$20	1	\$20.00
PID		Day	\$75	1	\$75.00
Peristaltic Pump		Day	\$40	1	\$40.00
Low Flow Instrumentation		Day	\$150	1	\$150.00
Field Supplies (list)			<u> </u>		
Vapor Pin and Flush Mount Cover		Ea	\$65		\$0.00
Drums		Ea	\$75	3	\$225.00
YSI Water Quality Meter		Day	\$100		\$0.00
Disposable Filters (Dissolved Iron)		Ea	\$20		\$0.00
Disposable Bailers		Ea	\$20	1	\$20.00
Surveying					
Survey Equipment		Day	\$40	1	\$40
		1			
Personal Protection Equipment (list)					
		1			
Sample Shipping Costs					
Shipping		Ea	\$100	1	\$100.00
Other (specify)					
Per Diem (not DERF Eligible)		Day	\$125	1	\$125.00
Mileage (Not DERF Eligible)		miles	\$0.60	280	\$168.00
Sub-Slab Mitigation System		Ea	\$1,500		\$0.00
Total Misc Costs (Without Mileage)		1 1			\$920.00

Reminders: DERF does not reimburse for attorney, closure or GIS fees. Mileage and meals are also non-reimbursable. Also, costs to prepare a reimbursement application and discuss the application with the department are not reimburseable. No expedited shipping w/o prior PM approval.

Site Name: Smoke-Out Cleaners (Howard, WI)

BRRTS #: 02-05-5522214

Type of Action: Investigation

Bid / Budgeted Description 21-11) (3-21-16) (5-26-16) Budget 829/08 7/29/11 9/13/16 11/30/16 Costs Consultant Costs	TASKS			BUD	GET	Г				IN	VOICES					
Task \$	Bid / Budgeted Description		ount (4-	-	Cha		Approved	1E08070	026001,	1E1	105023001,	1E	1105023002,	1105023004,	То	tal Invoiced Costs
Workplan / Change Order Development \$ 1,010.00 \$ 1,080.00 \$ 965.00 \$ 9,055.00 \$ 1,955.00 \$ 2,293.28 \$ 2,242.60 \$ 4,333 Boring/Monitoring Well Installation \$ 2,000 \$ 3,000.00 \$ 3,000.00 \$ 2,242.60 \$ 4,333 Buring/Monitoring Well Installation \$ 2,000.00 \$ 3,000.00 \$ 3,000.00 \$ 2,242.60 \$ 4,333 Stub-Stab Vapor Point Installation \$ 2,442.00 \$ 4,450.00 \$ 1,450.00 \$ 1,450.00 \$ 1,450.00 \$ 1,450.00 \$ 1,450.00 \$ 1,440.00 \$ 1,440.00 \$ 1,440.00 \$ 1,440.00 \$ 1,440.00 \$ 1,440.00 \$ 1,440.00 \$ 1,440.00 \$ 1,440.00 \$ 1,440.00 \$ 1,275.00 \$ 1,275.00 \$ 1,285.00 \$ 1,285.00 \$	Consultant Costs															
Boring/Worlitorig Well Installation /Survey \$ 3,300.00 \$ 1,225.00 \$ 2,827.00 \$ 2,932.28 \$ 2,042.50 \$ 4.33 Sub-Stab Vapor Point Isstallation \$ 2,800.00 \$ 310.00 \$ 330.00 \$ 31.20.00 \$ 345.00 \$ 2.000.00 \$ 31.20.00 \$ 31.20.00 \$ 31.20.00 \$ 31.20.00 \$ 31.20.00 \$ 31.20.00 \$ 31.20.00 \$ 31.20.00 \$ 31.20.00 \$ 31.20.00 \$ 31.22.50 \$ 31.22.50 \$ 31.22.50 \$ 31.22.50 \$ 31.22.50 \$ 31.22.50 \$ 31.22.50 \$ 31.22.	Task	\$	-				\$ -								\$	-
Sub-Stab Vapor Point Installation 0 0 1 0 <	Workplan / Change Order Development	\$	1,010.00	\$ 1,080.00	\$	965.00	\$ 3,055.00			\$	955.00	\$	1,955.00		\$	2,910.00
Sub-Stab Vapor Point Sampling \$ 845.00 \$ 1425.00 \$ 1430.00 \$ 751.25 \$ 621.25 \$ 1.33 Misc Supplies, Equipment, Shipping \$ 1.425.00 \$ 4475.00 \$ 345.00 \$ 300.00 \$ 4260.00 \$ 300.00 \$ 485.00 \$ 1.21 Groundwater Sampling (3 wells, 3 events) \$ 1.940.00 \$ 1.940.00 \$ 971.25 \$ 837.50 \$ 2.870.00 \$ 1.940.00 \$ 1.940.00 \$ 1.940.00 \$ 1.940.00 \$ 1.940.00 \$ 1.940.00 \$ 1.940.00 \$ 1.940.00 \$ 1.940.00 \$ 1.940.00 \$ 1.940.00 \$ 1.940.00 \$ 1.940.00 \$ 1.940.00 \$ 1.940.00 \$ 1.940.00 \$ 1.940.00 \$ 1.940.00 \$ 765.00 \$ 1.125.5 \$ 1.940.00 \$ 1.940.00 \$ 7765.00 \$ 1.125.5 \$ 1.860.00 \$ 1.940.00 \$ <td< td=""><td>Boring/Monitoring Well Installaion /Survey</td><td>\$</td><td>3,300.00</td><td>\$ 1,235.00</td><td>\$</td><td>825.00</td><td>\$ 5,360.00</td><td></td><td></td><td>\$</td><td>2,293.28</td><td>\$</td><td>2,042.50</td><td></td><td>\$</td><td>4,335.78</td></td<>	Boring/Monitoring Well Installaion /Survey	\$	3,300.00	\$ 1,235.00	\$	825.00	\$ 5,360.00			\$	2,293.28	\$	2,042.50		\$	4,335.78
Miss Equipment, Shipping \$ 1,425.00 \$ 643.00 \$ 2,068.00 \$ 1,670.00 \$ 485.00 \$ 2,15 Monitoring Well Development \$ 300.00 \$ 347.00 \$ 347.00 \$ 347.00 \$ 347.00 \$ 347.00 \$ 347.00 \$ 347.00 \$ 347.00 \$ 397.00 \$ 877.12 \$ 177.12 \$ 177.12 \$ 177.12 \$ 177.12 \$ 177.12 \$ 177.12 \$ 177.12 \$ 177.12 <	Sub-Slab Vapor Point Installation			\$ 260.00	\$	130.00	\$ 390.00					\$	390.00		\$	390.00
Monitoring Well Development \$ 390.00 \$ 475.00 \$ 345.00 \$ 1,210.00 \$ 390.00 \$ 807.00 \$ 1,22 \$ 807.00 \$ 1,27 Groundwater Sampling (4 wells, 3 events) \$ 2,970.00 \$ 1,940.00 \$ 1,940.00 \$ 8087.50 \$ 2,76 \$ 2,76 \$ 2,76 \$ 560.00 \$ 1,940.00 \$ 8087.57 \$ 560.00 \$ 1,940.00 \$ 3450.00 \$ 1,940.00 \$ 3450.00 \$ 1,940.00 \$ 3450.00 \$ 1,940.00 \$ 3450.00 \$ 1,940.00 \$ 3450.00 \$ 1,940.00 \$ 3450.00 \$ 310.00 \$ 2,263.76 \$ 32.97 \$ 37.65 \$ 550.00 \$ 1,126.25 \$ 1,800 \$ 1,126.25 \$ 1,800 \$ 1,126.25 \$ 1,800 \$ 1,126.25 \$ 1,800 \$ 1,126.25 \$ 1,800 \$ 1,126.25 \$ 1,800 \$ 1,225.00 \$ 1,225.00 \$ 1,225.00 \$ 1,226.00 \$ 1,226.00 \$ 1,226.00 \$ 1,226.00 \$ 1,226.00 \$ 1,226.00 \$ 1,226.00 \$ 1,226.00 \$ 1,226.00 \$ 1,226.00 \$ 1,226.00 \$ 1,226.00 \$ 1,226.00 \$ 1,226.00 \$ 1,226.00 \$ 1,226.00 \$ 1,226.00 \$ 1,226.00 \$ 1,226.00 <td>Sub-Slab Vapor Point Sampling</td> <td></td> <td></td> <td>\$ 845.00</td> <td>\$</td> <td>545.00</td> <td>\$ 1,390.00</td> <td></td> <td></td> <td></td> <td></td> <td>\$</td> <td>751.25</td> <td>\$ 621.25</td> <td>\$</td> <td>1,372.50</td>	Sub-Slab Vapor Point Sampling			\$ 845.00	\$	545.00	\$ 1,390.00					\$	751.25	\$ 621.25	\$	1,372.50
Groundwater Sampling (4 wells, 4 events) \$ 2,970.00 \$ 2,970.00 \$ 971.25 \$ 971.25 \$ 883.75 \$ 2,75 Groundwater Sampling (2 Wells, 3 events) \$ 1,940.00 \$ 560.00 \$ 1,940.00 \$ 888.75 \$ 560.00 \$ 180.00 \$ 130.00 \$ 2,875.00 \$ 14.46 Groundwater Sampling (2 Wells, 2 events) \$ 3,450.00 \$ 560.00 \$ 3,450.00 \$ 130.00 \$ 2,855.00 \$ 130.00 \$ 2,855.00 \$ 1,122.55 \$ 1,225.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00	Misc Supplies, Equipment, Shipping			\$ 1,425.00	\$	643.00	\$ 2,068.00					\$	1,670.00	\$ 485.00	\$	2,155.00
Groundwater Sampling (3 Wells, 3 events) \$ 1,940.00 \$ 2,2790.00 \$ 765.00 \$ 1,126.25 \$ 1,86 \$ 1,980.00 \$ 1,126.25 \$ 1,86 \$ 1,980.00 \$ 1,926.50 \$ 1,285.00 \$ 1,240.00 \$ 2,279.00 \$ 2,250.00 \$ 1,285.00 \$ 1,295.00	Monitoring Well Development	\$	390.00	\$ 475.00	\$	345.00	\$ 1,210.00			\$	390.00	\$	820.00		\$	1,210.00
Groundwater Sampling (2 Wells, 2 events) Image: stand st	Groundwater Sampling (4 wells, 4 events)	\$	2,970.00				\$ 2,970.00			\$	971.25	\$	971.25	\$ 837.50	\$	2,780.00
SI Report Preparation \$ 3,450.00 \$ 3,450.00 \$ 3,450.00 \$ 570.00 \$ 765.00 \$ 1,126.25 \$ 1,85 Data Reduction \$ 1,295.00 \$ 1,240.00 \$ 2,730.00 \$ 765.00 \$ 1,126.25 \$ 1,85 Data Reduction \$ 1,295.00 \$ 2,255.00 \$ 1,126.25 \$ 1,85 \$ 2,850.00 \$ 1,127.50 \$ 2,255.00 \$ 1,126.25 \$ 1,85 DR Semi-Annual Rptg \$ 795.00 \$ 2,285.00 \$ 1,080.00 \$ 425.00 \$ 361.25 \$ 775 Preliminary Site Assessment \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,23.86 Sub-Contractor Costs \$ 1,320.00 \$ 10,830.00 \$ 6,848.00 \$ 30,998.00 \$ 1,114.00 \$ 2,200.00 \$ 2,200.00 Service \$ 13,320.00 \$ 10,830.00 \$ 6,848.00 \$ 30,998.00 \$ 1,842.00 \$ 1,917.00 \$ 6,440 Analytical Costs \$ 1,842.00 \$ 7,052.00 \$ 2,200.00 \$ 1,917.00 \$ 6,440 Analytical Costs \$ 5,420.00 \$ 2,560.00 \$ 1,642.00 \$ 7,052.00 \$ 2,200.00 \$ 1,917.00 \$ 6,440 Maistical Costs \$ 5,775.00	Groundwater Sampling (3 Wells, 3 events)			\$ 1,940.00			\$ 1,940.00					\$	888.75	\$ 580.00	\$	1,468.75
Project Management \$ 1,480.00 \$ 1,310.00 \$ 2,790.00 \$ 765.00 \$ 1,126.25 \$ 1,88 Data Reduction \$ 1,295.00 \$ 1,240.00 \$ 2,353.00 \$ \$ 1,127.50 \$ 255.00 \$ 1,38 DNR Semi-Annual Rptg \$ \$ 795.00 \$ 285.00 \$ 1,080.00 \$ \$ 425.00 \$ 361.25 \$ 7 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ \$ 2,200.00 \$ 2,2,200.00 \$ 2,2,200.00 <td>Groundwater Sampling (2 Wells, 2 events)</td> <td></td> <td></td> <td></td> <td>\$</td> <td>560.00</td> <td>\$ 560.00</td> <td></td> <td></td> <td></td> <td></td> <td>\$</td> <td>130.00</td> <td>\$ 263.75</td> <td>\$</td> <td>393.75</td>	Groundwater Sampling (2 Wells, 2 events)				\$	560.00	\$ 560.00					\$	130.00	\$ 263.75	\$	393.75
Data Reduction \$ 1,295.00 \$ 1,240.00 \$ 2,535.00 \$ 1,127.50 \$ 255.00 \$ 1,38 DNR Semi-Annual Rptg \$ 795.00 \$ 285.00 \$ 1,080.00 \$ 425.00 \$ 361.25 \$ 77 Preliminary Site Assessment \$ 2,200.00 \$ 285.00 \$ 2,200.00 \$ 4,202.00 \$ 5,64.00 \$ 0,402.00 \$ 1,473.00 \$ 0,402.00 \$ 1,473.00	SI Report Preparation	\$	3,450.00				\$ 3,450.00			\$	570.00				\$	570.00
DNR Semi-Annual Rptg \$ 795.00 \$ 285.00 \$ 1,080.00 \$ 425.00 \$ 361.25 \$ 775 Preliminary Site Assessment \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 3061.25 \$ 775 Preliminary Site Assessment \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 2,200.00 \$ 361.25 \$ 775 Consultant Cost Total \$ 13,320.00 \$ 10,830.00 \$ 6,848.00 \$ 30,998.00 \$ 2,200.00 \$ 2,200.00 \$ 2,306.00 \$ 30,998.00	Project Management			\$ 1,480.00	\$	1,310.00	\$ 2,790.00					\$	765.00	\$ 1,126.25	\$	1,891.25
Image: Second	Data Reduction			\$ 1,295.00	\$	1,240.00	\$ 2,535.00					\$	1,127.50	\$ 255.00	\$	1,382.50
Preliminary Site Assessment \$ 2,200.00 \$ 1,917.00 \$ 6,400 Drilling Costs \$ 5,420.00 \$ 2,430.00 \$ 1,473.00 \$ 5,200.00 \$ 1,473.00 \$ 1,473.00 \$ 1,200.00 \$	DNR Semi-Annual Rptg			\$ 795.00	\$	285.00	\$ 1,080.00					\$	425.00	\$ 361.25	\$	786.25
Consultant Cost Total \$ 13,320.00 \$ 10,830.00 \$ 6,848.00 \$ 30,998.00 Image: Consultant Cost Total \$ 13,320.00 \$ 10,830.00 \$ 6,848.00 \$ 30,998.00 Image: Consultant Cost Total \$ 23,84 Sub-Contractor Costs \$ - </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$ -</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$</td> <td>-</td>							\$ -								\$	-
Consultant Cost Total \$ 13,320.00 \$ 10,830.00 \$ 6,848.00 \$ 30,998.00 Image: Consultant Cost Total \$ 2,384 Sub-Contractor Costs \$ - \$	Preliminary Site Assessment	\$	2,200.00				\$ 2,200.00	\$ 2	2,200.00						\$	2,200.00
Sub-Contractor Costs Image: Contractor Cost Cost Costs Image: Contractor Cost Costs Image: Contractor Cost Cost Costs Image: Contractor Cost Cost Costs Image: Contractor Cost Cost Cost Cost Costs Image: Contractor Cost Cost Cost Cost Cost Cost Cost Cost							\$ -								\$	-
Service \$ - \$ - \$ - \$ </td <td>Consultant Cost Total</td> <td>\$</td> <td>13,320.00</td> <td>\$ 10,830.00</td> <td>\$</td> <td>6,848.00</td> <td>\$ 30,998.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$</td> <td>23,845.78</td>	Consultant Cost Total	\$	13,320.00	\$ 10,830.00	\$	6,848.00	\$ 30,998.00								\$	23,845.78
Drilling Costs \$ 2,850.00 \$ 1,642.00 \$ 7,052.00 \$ 4,202.00 \$ 4,202.00 \$ 6,40 Analytical Costs \$ 5,420.00 \$ 2,430.00 \$ 1,360.00 \$ 9,210.00 \$ 1,114.00 \$ 3,355.00 \$ 1,917.00 \$ 6,368 Waste Disposal \$ 775.00 \$ 698.00 \$ 1,473.00 \$ 1,114.00 \$ 3,355.00 \$ 1,917.00 \$ 6,368 Waste Disposal \$ 775.00 \$ 698.00 \$ 1,473.00 \$ \$ 120.00	Sub-Contractor Costs															
Analytical Costs \$ 5,420.00 \$ 2,430.00 \$ 1,360.00 \$ 9,210.00 \$ 1,114.00 \$ 3,355.00 \$ 1,917.00 \$ 6,38 Waste Disposal \$ 775.00 \$ 698.00 \$ 1,473.00 \$ 1,473.00 \$ 1,114.00 \$ 3,355.00 \$ 1,917.00 \$ 6,38 Waste Disposal \$ 775.00 \$ 698.00 \$ 1,473.00 \$ 1,473.00 \$ 1,20.00 \$ 120.00 <td>Service</td> <td>\$</td> <td>-</td> <td></td> <td></td> <td></td> <td>\$ -</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$</td> <td>-</td>	Service	\$	-				\$ -								\$	-
Analytical Costs \$ 5,420.00 \$ 2,430.00 \$ 1,360.00 \$ 9,210.00 \$ 1,114.00 \$ 3,355.00 \$ 1,917.00 \$ 6,38 Waste Disposal \$ 775.00 \$ 698.00 \$ 1,473.00 \$ 1,473.00 \$ 1,114.00 \$ 3,355.00 \$ 1,917.00 \$ 6,38 Waste Disposal \$ 775.00 \$ 698.00 \$ 1,473.00 \$ 1,473.00 \$ 1,20.00 \$ 120.00 <td>Drilling Costs</td> <td>\$</td> <td>2,850.00</td> <td>\$ 2,560.00</td> <td>\$</td> <td>1,642.00</td> <td>\$ 7,052.00</td> <td></td> <td></td> <td>\$</td> <td>2,200.00</td> <td>\$</td> <td>4,202.00</td> <td></td> <td>\$</td> <td>6,402.00</td>	Drilling Costs	\$	2,850.00	\$ 2,560.00	\$	1,642.00	\$ 7,052.00			\$	2,200.00	\$	4,202.00		\$	6,402.00
Image: Second	Analytical Costs	\$	5,420.00	\$ 2,430.00	\$	1,360.00	\$ 9,210.00			\$	1,114.00	\$	3,355.00	\$ 1,917.00	\$	6,386.00
Image: Second	Waste Disposal	\$	775.00	\$ 698.00			\$ 1,473.00				·		·	\$ 120.00	\$	120.00
Sub-Contractor Cost Total \$ 9,045.00 \$ 5,688.00 \$ 3,002.00 \$ 17,735.00 S 12,90 DERF ELIGIBLE SUB-TOTALS \$ 22,365.00 \$ 16,518.00 \$ 9,850.00 \$ 48,733.00 \$ 2,200.00 \$ 8,493.53 \$ 19,493.25 \$ 6,567.00 \$ 36,75 Non-DERF Eligible Expenses Image: Contractor Cost Total	· · · · · · · · · · · · · · · · · · ·	1					\$ -								\$	-
Sub-Contractor Cost Total \$ 9,045.00 \$ 5,688.00 \$ 3,002.00 \$ 17,735.00 Image: Contract of the contra							\$ -								\$	-
DERF ELIGIBLE SUB-TOTALS \$ 22,365.00 \$ 16,518.00 \$ 9,850.00 \$ 48,733.00 \$ 2,200.00 \$ 8,493.53 \$ 19,493.25 \$ 6,567.00 \$ 36,75 Non-DERF Eligible Expenses							\$ -								\$	-
Non-DERF Eligible Expenses	Sub-Contractor Cost Total	\$	9,045.00	\$ 5,688.00	\$	3,002.00	\$ 17,735.00								\$	12,908.00
	DERF ELIGIBLE SUB-TOTALS	\$	22,365.00	\$ 16,518.00	\$	9,850.00	\$ 48,733.00	\$ 2	2,200.00	\$	8,493.53	\$	19,493.25	\$ 6,567.00	\$	36,753.78
\$	Non-DERF Eligible Expenses															
															\$	-

\$ **\$**

	Mileage
ľ	Non-DERF Cost Total
ſ	INVOICE GRAND TOTAL

			Ŧ	
	\$ 96.00		\$	96.00
-	\$ 96.00	\$ -	\$	96.00
2,200.00	\$ 8,589.53	\$ 19,493.25	\$	36,849.78

Check Numbers			

Dry Cleaner Environmental Response Program Reimbursement Cost Detail Linking Spreadsheet Form 4400-214D (R 08/12)

	DERF COST BREAKOUT (this claim)								
A Soil Investigation	B Soil Remediation	C Groundwater Investigation	D Groundwater Remediation	E Air/Vapor Investigation	F Air/Vapor Remediation	G Lab & Other Analysis	H Miscellaneous Costs	Budget Remaining Use (-) to indicate cost over-run	% Task Complete, Remarks
								\$-	
								\$ 145.00	95%
								\$ 1,024.22	81%, proposed borings installed
								\$-	100%
								\$ 17.50	99%, proposed smpling complete
								\$ (87.00)	
								\$-	100%
								\$ 190.00	94%, 4 of 4 Rds complete
								\$ 471.25	
								\$ 166.25	100%, 2 of 2 Rds Complete
								\$ 2,880.00	17%
								\$ 898.75	68%
								\$ 1,152.50	55%
								\$ 293.75	73%
								\$-	
								\$-	100%
								\$-	
								\$ 7,152.22	70%
								· · ·	
								\$-	
									77%, prop. drilling complete
									69%, prop. analysis complete
								\$ 1,353.00	8%, no waste on site
								\$ -	
								\$-	
								\$-	
								\$ 4,827.00	
\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-		
φ =	φ -	φ -	φ =	φ =	φ -	φ -	φ -	\$ 11,979.22	

\$

-

Total DERF Eligible Costs This Claim

WARNING - Double Check Total Invoiced Costs column to DERF Cost Breakout figures - possible errors found!

Geotechnical, Environmental & Construction Materials Consultants



www.gilesengr.com