

Rec'd 10/13/16

SCS ENGINEERS

October 12, 2016
File No. 25212159.00

Ms. Nancy D. Ryan, Hydrogeologist
Bureau for Remediation and Redevelopment
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, WI 53212

Subject: Revised - DERF Additional Site Investigation Work Plan /Change Order Request
Queens Way Cleaners (former), aka Speedy Lube
117 East Capitol Drive, Milwaukee, Wisconsin
BRRTS #02-41-182420

Dear Nancy:

The following information is being submitted by SCS Engineers (SCS) on behalf of the Hunn Family Trust. As requested, we have prepared the following revised site investigation change order request for the former Queens Way Cleaners Dry Cleaner Environmental Response Fund (DERF) project. The change order includes scope items as discussed in email correspondence through September 23, 2016.

We will revise the DERF Linking Spreadsheet (WDNR Form 4400-214D, R05/12) following your approval of the proposed scope and costs.

A site investigation change order request was submitted to the Wisconsin Department of Natural Resources (WDNR) on June 3, 2016. Please refer to this document for a summary of the completed site investigation activities and table and figures summarizing the site investigation data. The following revised proposed scope of work is based on findings of the investigation to date and subsequent communications with the WDNR.

PROJECT SCOPE AND WORK PLAN

Following is the work plan for the additional site investigation. A cost estimate for each phase of work is attached, as required (**Attachment A**).

Task 1 - Historic & Current Land Use Information for Adjacent Sites

Per WDNR's suggestion, SCS will review historic and other site information to better understand location of former solvent use, location of utilities; building features (doors, loading docks), adjacent property uses, current occupancy.



Completed Dry Cleaners Site Information Research

The previously approved scope of work covered obtaining historical information related to the former dry cleaning business activities. In order to obtain additional information about the dry cleaning activities and other relevant site history and features, SCS reviewed City of Milwaukee assessment and building records, historic air photos, and Sanborn maps, available for the site. SCS inspected the former dry cleaning building for floor drains, and for indications of former drains, product lines, utilities, dry cleaning machine locations, etc. SCS interviewed the responsible party for information about dry cleaning activities.

Proposed Adjacent Site Information Research

With the recent emphasis on vapor migration assessment, the proposed additional work focuses on sites adjacent to the former dry cleaners to identify former and current property uses, current occupancy, past and current solvent uses, past spills, underground utility locations. The information will be useful to identify potential offsite sources of chlorinated solvents, preferential pathways for contaminant migration (both to and from the former dry cleaner site). SCS will obtain and review the following for the adjacent sites:

The most-cost effective way to obtain environmental information for the adjacent sites is to use an environmental database company such as those typically used for preparing Phase 1 ESA reports.

- SCS will obtain and review an environmental database search for the former dry cleaners site and the adjacent sites. The following environmental databases among others will be included in the search.

National Databases and Acronyms		
CERC-NFRAP	CERCLIS No Further Remedial Action Planned	Lists CERCLIS sites where assessment has been completed, and that are no longer considered to be potential NPL sites.
RCRA	Resource Conservation and Recovery Act	Lists hazardous waste handling sites that have undergone RCRA corrective action.
RCRA-CESQG	RCRA Conditionally Exempt Small Quantity Generators	Identifies sites that generate less than 100 kilogram (kg) of hazardous waste, or less than 1 kg of acutely hazardous waste per month.
TIER2	Reporting under Emergency Planning and Community Right-to-Know (EPCRA)	A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

State Databases and Acronyms		
BROWNFIELDS	Brownfields Site Locations	Brownfields that are identified in WDNR BRRTS database. Brownfields are abandoned or underused commercial and industrial sites where redevelopment is hindered by real or perceived contamination.
BRRTS	Bureau of Remediation and Redevelopment Tracking System	The web-based WDNR tracking system for contaminated sites.
WI ERP	Environmental Repair Program	WDNR list of sites that have, or had, contaminated soil and/or groundwater, and are not identified as a leaking underground storage tank site.
SHWIMS	Solid & Hazardous Waste Information Management System	Information on sites, and facilities operating at sites, that are regulated by the Waste Management program.

State Databases and Acronyms		
WDS	Registry of Waste Disposal Sites	WDNR comprehensive list of all sites where solid or hazardous wastes have been or may have been deposited.
UST / AST	Storage Tank Database	WDATCP list of registered underground storage tanks and aboveground storage tanks.
LAST	Leaking Aboveground Storage Tank Sites	WDNR list of all leaking aboveground storage tank sites.
LUST	Leaking Underground Storage Tank Sites	WDNR list of all leaking underground storage tank sites.
SPILLS	Spills Summary Report	WDNR list of sites where hazardous substances were discharged. Spills are usually cleaned up quickly and the files are closed without significant follow-up.
ECHO	Enforcement & Compliance History Information	USEPA maintains ECHO to provide integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

- The database search will also include standard sources of historical information including aerial photographs, fire insurance maps, USGS topographic maps, and street directories.
- SCS will have Digger’s Hotline mark public utilities on the former dry cleaners site and the adjacent sites and document the locations of the utilities on the site map. (SCS has obtained this information for the dry cleaners site but not the adjacent sites.)
- The historical and current site information will be summarized in a letter report to the WDNR along with the results from Tasks 2 and 3.

Task 2 – Geologic & Hydrogeologic Data Summary

SCS will summarize geologic and hydrogeologic data and analyze the data relative to contaminant distributions and pathways, and evaluate options for interim source area contaminant mass reduction. The report will include the following:

- Groundwater elevation and volatile organic compound (VOC) data tables
- Geologic cross-sections (2) with VOC data posted
- Groundwater VOC isoconcentration map
- Data analysis
- Interim actions options analysis

Task 3 – Groundwater Monitoring & Soil Sampling

The scope includes the following:

- Coordinate access with property tenant and adjacent off-site property owner so that wells are accessible and not blocked by automobiles to be serviced.
- Prepare a field work request, update the site health & safety plan, coordinate with laboratory for sample containers and analysis of samples, prepare for field work, decontaminate field equipment, etc.

- Sample 6 monitoring wells, analyze 6 groundwater samples, 1 duplicate, 1 trip blank for VOCs.
- Hand auger in former PCE tank (source) area and collect 2 soil samples for VOC analysis.
- Obtain permission, and dispose of purge water at a waste water treatment plant.
- Prepare and ship samples, copy & distribute field notes.
- Prepare soil and groundwater data summarize tables.
- Report the findings of Tasks 1, 2, and 3 in a letter report to the WDNR.

Task 4 – Sub-Slab Vapor Sampling

This task includes installation and sampling of sub-slab vapor using probes. Sampling will be performed consistent with WDNR sub-slab sampling guidelines¹. A water leak detection system will be used to test each probe for leaks prior to sampling. The following work will be performed:

- Obtain access agreements and coordinating with the owners and/or tenants to conduct sub-slab sampling at the Midwest Die Casting Company property located at 3930 N. First Street. Completion of the work is dependent on property owner and tenant agreement and cooperation for access. We do not have assurance of access, and if necessary will request that the WDNR provide support and assistance with acquiring access.
- Install and sample three sub-slab soil vapor probes in the east side of the building at the Midwest Die Casting facility.
- Submit sub-slab vapor samples to the Wisconsin State Laboratory of Hygiene for analysis of cis-1,2-dichloroethylene (cis-1,2-DCE), tetrachloroethene (PCE), trichloroethylene (TCE), and vinyl chloride, using method TO-15.
- Obtain information regarding the current or past use of chlorinated volatile organic compounds (CVOCs) at the facility utilizing site observations and database sources.

¹ Wisconsin Department of Natural Resources, July 2014, Sub-Slab Vapor Sampling Procedures, Publication PUB-RR-986.

We will prepare a letter report summarizing investigation findings for submittal to the WDNR and the property owner. The report will include the following items:

- Site map showing sub-slab soil vapor sampling locations
- Vapor sampling analytical summary table
- Laboratory analytical reports
- Recommendations for additional vapor sampling and/or mitigation, if appropriate

Assumptions

The original estimate included in the June 3, 2016 submittal was based on SCS's experience conducting vapor sampling at industrial facilities in which obtaining consent, physical access, and information about chlorinated solvent use, building slab, and sub-slab construction including the location of buried piping, building ventilation systems, etc., have required significant effort by the project manager or senior technical staff.

Based on WDNR's stated concerns, SCS reduced the number of consulting hours based on the assumption that SCS will be able to perform the following with minimal effort:

- Identify the facility owner who can grant consent to sample, and obtain consent from the facility owner to conduct the sampling,
- Access the sampling locations without delays associating with waiting for facility personnel to clear sampling locations,
- Obtain information about current and past chlorinated solvent use at the facility, and
- Obtain information about building slab, and sub-slab construction including the location of buried piping.

Project Management

Project management costs are included in the individual tasks and include the following activities:

- Contracting with the client and subcontractors
- Correspondence with the client, WDNR, and subcontractors
- Invoicing and budget tracking

Task 5 – Work Plan/Change Order Development

SCS responded to the WDNR's request for additional site investigation by preparing a work plan for a site investigation that meets NR 716 requirements including the installation of off-site wells and piezometers to determine the horizontal and vertical extent of groundwater contamination and the need for off-site vapor intrusion assessment due to the proximity of contaminated groundwater to inhabited buildings. Subsequently, WDNR suggested focusing next steps on an interim action to remediate the source area with vapor intrusion assessment on adjacent property to the west instead of installing additional wells and completing the NR 716 site investigation at

this time. WDNR proposed the scope of work upon which this work plan is based. Included in this task are services provided by SCS to develop the NR 716 site investigation work plan and change order request, and prepare this revised change order request.

Included in developing and revising the work plan and change order for additional site investigation are the following:

- Evaluating physical site characteristics (underground and overhead utility locations, steep slopes, traffic, etc.,) for drill rig access.
- Identifying adjacent parcel boundaries and parcel owners for off-site investigations.
- Preparing requests for bids and obtaining drilling bids for water table wells (auger drilling in sediments with mud rotary capability for sediment/bedrock interface).
- Preparing requests for bids and obtaining drilling bids for piezometers (air rotary in bedrock).
- Preparing the June 3, 2016 letter work plan, figures showing proposed sampling locations, and cost estimates.
- Meeting with the owner's representative to discuss needed additional work, projected costs, and schedule.
- Communications with WDNR regarding proposed scope, revisions, and cost estimates.
- Revising costs and the preparing this revised request/workplan.

Actual costs incurred for preparation of the initial NR 716 site investigation work plan/change order and revisions in this submittal are listed on **Attachment B**. (These are costs through September 30, 2016 and do not include preparation of this document.)

Deliverables

- Following completion of Tasks 1, 2, and 3, a letter report will be submitted to the WDNR.
- Following completion of Task 4 a letter report will be submitted to the WDNR and the property owner.

Estimated Costs

The estimated costs for the proposed work scope tasks are as follows:

Task		Estimated Costs
1	Historic & Current Land Use Information for Adjacent Sites	\$1,985.00
2	Geologic & Hydrogeologic Data Summary	\$4,997.00
3	Groundwater Monitoring & Soil Sampling	\$2,667.50
4	Sub-Slab Vapor Sampling	\$3,311.00
5	Work Plan/Change Order Development	\$4,068.50
	Total	\$17,029.00

Cons. 15364
1665 Sub-C

Ms. Nancy D. Ryan
October 12, 2016
Page 7

Please contact us at (608) 224-2830 if you have any comments or questions. Thank you.

Sincerely,



Betty J. Socha, PhD, PG
Senior Project Manager
SCS ENGINEERS



Tony Kollasch
Project Hydrogeologist
SCS ENGINEERS

cc: Mr. Lou Dodulik, Mudroch & Dodulik, S.C.

Enclosures: Attachment A – Cost Estimates
Attachment B – Work Plan & Change Order Development – Actual Costs
Invoiced

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Site Information

Queens Way Cleaners

SCS Engineers

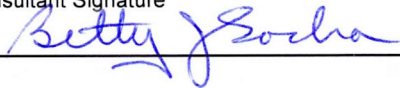
Hunn Family Trust

Bid Summary

Consulting Costs Total =	\$	1,585.00
Misc Costs Total =	\$	400.00
Grand Total =	\$	1,985.00

I certify that the costs are an accurate estimate of my total 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

12 Oct 2016

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

Please refer to the revised proposal/work plan dated October 12, 2016.

Scope

Obtain information about current and past activities on adjacent sites as potential sources of off-site contamination, and about utility corridors and building construction relative to contaminant migration onto or off of the former dry cleaning property.

Order, review, and summarize EDR database information.

Order, review, and summarize information from Sanborn maps, historic topographic maps, air photos, building records, etc.

Request Digger's hotline identification of underground utilities on the former dry cleaners and adjacent properties, map utility locations.

Contracting, invoicing, client and DNR correspondence.

Consultant Name: SCS Engineers
 Site Name: Queens Way
 BRRS #: 02-41-182420
 Date: 10/05/16

**DERF Site Investigation Bid Summary
 Consultant Costs**

Form 4400-233 (R 4/04) Page 5 of 6

Position (specify)	Hourly Rate	Hours/Task														Total Costs		
		EDR database - Order, review, summarize	Review Sanborns, topos, air photos, etc.	Mark utilities & Map	Drilling Oversight	Soil Sampling	Drilling sampling	Well Development	Hydraulic Conductivity Test	Groundwater sampling	Field prep. & decontamination.	Dispose of purge water	SI Report preparation	RAOR Report preparation	Project Management		Other (specify)	
Professional Staff																		
Project Director	185																	\$0.00
Senior Project Manager	150	1	1												1			\$450.00
Senior Project Prof. I	118	2	2	1														\$590.00
Project Professional	103																	\$0.00
Staff Professional	98			2														\$196.00
																		\$0.00
Field Staff																		
Field Professional	98																	\$0.00
Field Technician	85																	\$0.00
																		\$0.00
																		\$0.00
																		\$0.00
																		\$0.00
Office Support Staff																		
Drafting	77			2														\$154.00
Administrative Assist.	65	1	1												1			\$195.00
																		\$0.00
																		\$0.00
																		\$0.00
Total Consulting Costs		0	451	451	468	0	0	0	0	0	0	0	0	215				\$1,585.00

\$1,585.00

Consultant Name: SCS Engineers
 Site Name: Queens Way Cleaners
 BRRTS #: 02-41-182420
 Date: 10/05/16

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					
Waste Disposal	Non-Hazardous	Drum	150	0	0
	Hazardous				
Drum for purge water		Drum	55	0	0
Equipment Rental (list and include shipping costs if applicable)					
Helium Meter		Day	35	0	0
Water level indicator		Day	20	0	0
PID		Day	75	0	0
Dissolved Oxygen Meter		Day	40	0	0
Pressure transducer/data logger		Day	125	0	0
Purge pump		Day	30	0	0
Field Supplies (list)					
Ice		Bag	7.25	0	0
Dedicated Bailers		Each	35	0	0
Digital Camera		Day	10	0	0
Locks		Each	10	0	0
Well Caps		Each	18.25	0	0
Hand Auger kit		Day	30	0	0
Surveying					
Laser level/GPS Total station		Hour	25	0	0
Personal Protection Equipment (list)					
Level D PPE		Day	15	0	0
Sample Shipping Costs					
Other (specify)					
Filters for RNA Sampling		Each	16	0	0
Sub-Slab Vapor Probe		Each	26	0	0
EDR Database Report		Each	400	1	400
Private Utility Locate		Hour	125	0	0
Total Miscellaneous Costs					\$400.00

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 reimbursable. No expedited shipping w/o prior PM approval.

Site Information

Queens Way Cleaners

SCS Engineers

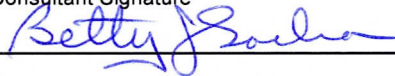
Hunn Family Trust

Bid Summary

Consulting Costs Total =	\$	4,997.00
Grand Total =	\$	4,997.00

I certify that the costs are an accurate estimate of my total 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

12 Oct 2016

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

Please refer to the revised proposal/work plan dated October 12, 2016.

Scope

Summarize geologic and hydrogeologic data and analyze relative to contaminant distributions and pathways, and options for interim source area contaminant mass reduction.

Groundwater elevation and VOC data tables.

Geologic cross-sections (2) with VOC data posted.

Groundwater VOC isoconcentration map.

Data analysis & summary letter report.

Interim actions options analysis

Contracting, invoicing, client and DNR correspondence.

Consultant Name: SCS Engineers
 Site Name: Queens Way
 BRRTS #: 02-41-182420
 Date: 10/05/16

**DERF Site Investigation Bid Summary
 Consultant Costs**

Form 4400-233 (R 4/04) Page 5 of 6

Position (specify)	Hourly Rate	Hours/Task															Total Costs	
		Summary Tables groundwater et VOCs, etc	Geologic X-secs w/posted VOC data	Water table map	Groundwater isoconcentration map	Data analysis & letter report	Interim actions, options analysis	Drilling sampling	Well Development	Hydraulic Conductivity Test	Groundwater sampling	Field prep & decontamination	Dispose of purge water	SI Report preparation	RAOR Report preparation	Project Management		Other (specify)
Professional Staff																		
Project Director	185																	\$0.00
Senior Project Manager	150		1		0.5	2	4									1		\$1,275.00
Senior Project Prof. I	118	1	1	0.5	1	6	6											\$1,829.00
Project Professional	103																	\$0.00
Staff Professional	98	2	6	1.5	1													\$1,029.00
																		\$0.00
Field Staff																		
Field Professional	98																	\$0.00
Field Technician	85																	\$0.00
																		\$0.00
																		\$0.00
																		\$0.00
																		\$0.00
Office Support Staff																		
Drafting	77		5	1	1													\$539.00
Administrative Assist.	65	1				2	1									1		\$325.00
																		\$0.00
																		\$0.00
																		\$0.00
Total Consulting Costs								0	0	0	0	0	0	0	0			\$0.00

\$4,997.00

Site Information

Queens Way Cleaners

SCS Engineers

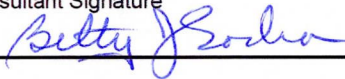
Hunn Family Trust

Bid Summary

Analytical Costs Total =	\$	605.00
Consulting Costs Total =	\$	1,813.00
Misc Costs Total =	\$	249.50
Grand Total =	\$	2,667.50

I certify that the costs are an accurate estimate of my total 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

12 Oct 2016

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

Please refer to the revised proposal/work plan dated October 12, 2016.

Scope

Coordinate access with property tenant and adjacent off-site property owner.

Kick-off meeting, field work request, update health & safety plan, coordinate with lab, bottle request, field preparation, decontamination.

Sample 6 monitoring wells, analyze 6 groundwater samples, 1 duplicate, 1 trip blank for VOCs

Hand auger in former PCE tank (source) area, collect 2 soil samples for VOC analysis.

Obtain permission and dispose of purge water at waste water treatment plant.

Ship samples, copy & distribute field notes.

Contracting, invoicing, client and DNR correspondence.

Consultant Name: SCS Engineers
 Site Name: Queens Way
 BRRTS #: 02-41-182420
 Date: 10/05/16

**DERF Site Investigation Bid Summary
 Consultant Costs**

Form 4400-233 (R 4/04) Page 5 of 6

Position (specify)	Hourly Rate	Hours/Task																Total Costs		
		Workplan Development	Access	Adjacent Site Information	Waste Determination	Drilling Oversight	Soil Sampling	Drilling sampling	Well Development	Hydraulic Conductivity Test	Groundwater sampling	Field prep. & decontamination.	Dispose of purge water	SI Report preparation	RAOR Report preparation	Project Management	Other (specify)			
Professional Staff																				
Project Director	185																			\$0.00
Senior Project Manager	150						0.5				1						1			\$375.00
Senior Project Prof. I	118		1				0.5				1									\$295.00
Project Professional	103																			\$0.00
Staff Professional	98																			\$0.00
																				\$0.00
Field Staff																				
Field Professional	98						1				7	2	1							\$1,078.00
Field Technician	85																			\$0.00
																				\$0.00
																				\$0.00
																				\$0.00
																				\$0.00
Office Support Staff																				
Drafting	77																			\$0.00
Administrative Assist.	65																1			\$65.00
																				\$0.00
																				\$0.00
																				\$0.00
Total Consulting Costs		0	118	0			232	0	0	0	954	196	98	0		215				\$1,813.00

\$1,813.00

Consultant Name: SCS Engineers
 Site Name: Queens Way Cleaners
 BRRTS #: 02-41-182420
 Date: 10/05/16

DERF Site Investigation Bid Sheet
Analytical Costs

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

Parameter	WI Certified Lab			Field Test/Field Kit			Mobile Lab			Total Costs
	\$/sample	# samples	Method Used	\$/sample	# samples	Method Used	\$/Sample \$/Day	# Samples # Days	Method Used	
Solids Analysis										
VOCs	60	2	8260B							\$120.00
TCLP	225									\$0.00
RCRA Metals										\$0.00
Duplicate Analyses										\$0.00
Blank Analyses										\$0.00
Other: (Specify)										\$0.00
Water Analysis (low flow sampling assumed unless otherwise indicated at bottom of this sheet)										
VOCs	60	7	8260B							\$420.00
Nitrate*	12	0	353.2							\$0.00
Dissolved Oxygen*				8						\$0.00
Temperature*				2						\$0.00
Ferrous Iron*										\$0.00
Sulfate*	12	0	375.2							\$0.00
Sulfide*										\$0.00
ORP*										\$0.00
pH*				0						\$0.00
TOC*										\$0.00
Alkalinity*	10	0	2320B							\$0.00
Chloride*										\$0.00
Spec. Conductance*				1						\$0.00
Ethene/Ethane/Methane*	90	0	8015							\$0.00
Hydrogen*										\$0.00
Carbon Dioxide*										\$0.00
RCRA Metals										\$0.00
Duplicate Analyses (VOCs)	65	1	8260B							\$65.00
Blank Analyses-Trip (VOCs)	0	1	8260B							\$0.00
Other: Iron, dissolved	7	0	6010							\$0.00
Manganese, dissolved	7	0	9020A							\$0.00
Air Analysis										
VOCs	200	0								\$0.00
TCE										\$0.00
PCE (minimum detection limit is <10 ppbv)										\$0.00
Other: (Specify)										\$0.00
Waste Analyses (soil/water)										
										\$0.00
										\$0.00
Miscellaneous (specify)										
										\$0.00
										\$0.00
Charge for Mobile Lab (indicate # days and daily fee)										
Total Analytical Costs										\$605.00

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

Consultant Name: SCS Engineers
 Site Name: Queens Way Cleaners
 BRRTS #: 02-41-182420
 Date: 10/05/16

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					
Waste Disposal	Non-Hazardous	Drum	150	0	0
	Hazardous				
Drum for purge water		Drum	55	1	55
Equipment Rental (list and include shipping costs if applicable)					
Helium Meter		Day	35	0	0
Water level indicator		Day	20	1	20
PID		Day	75	1	75
Dissolved Oxygen Meter		Day	40	0	0
Pressure transducer/data logger		Day	125		0
Purge pump		Day	30	1	30
Field Supplies (list)					
Ice		Bag	7.25	2	14.5
Dedicated Bailers		Each	35	0	0
Digital Camera		Day	10	1	10
Locks		Each	10	0	0
Well Caps		Each	18.25	0	0
Hand Auger kit		Day	30	1	30
Surveying					
Laser level/GPS Total station		Hour	25	0	0
Personal Protection Equipment (list)					
Level D PPE		Day	15	1	15
Sample Shipping Costs					
Other (specify)					
Filters for RNA Sampling		Each	16	0	0
Sub-Slab Vapor Probe		Each	26	0	0
Private Utility Locate		Hour	125	0	0
Total Miscellaneous Costs					\$249.50

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 reimbursable. No expedited shipping w/o prior PM approval.

Site Information

Queens Way Cleaners

SCS Engineers

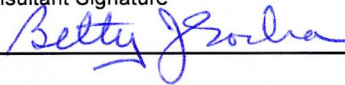
Hunn Family Trust

Bid Summary

Analytical Costs Total =	\$	660.00
Consulting Costs Total =	\$	2,376.00
Misc Costs Total =	\$	275.00
Grand Total =	\$	3,311.00

I certify that the costs are an accurate estimate of my total 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

12 Oct 2016

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

Please refer to our revised proposal/work plan dated October 12, 2016.
Install and sample 3 sub-slab probes on the adjacent Midwest Die Casting Facility.
Collect 30-min sub-slab samples and analyze for short list CVOCs.

Consultant Name: SCS Engineers
 Site Name: Queens Way
 BRRTS #: 02-41-182420
 Date: 10/05/2016

DERF Site Investigation Bid Summary Consultant Costs

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Position (specify)	Hourly Rate	Hours/Task																Total Costs		
		Workplan Development	Access	Report results to DNR & property owners	Waste Determination	Coordinate Installation of Vapor Mitigation System	Soil Sampling	Drilling sampling	Well Development	Hydraulic Conductivity Test	Groundwater sampling	Soil gas/vapor intrusion survey	SSRCL calculations (contained out of)	SI Report preparation	RAOR Report preparation	Project Management	Other (specify)			
Professional Staff																				
Project Director	185																			
Senior Project Manager	150		1	1.5																
Senior Project Prof. I	118		4	4																
Project Professional	103																			
Field Staff																				
Field Professional	98																			
Field Technician	85		2								8									
Office Support Staff																				
Drafting	77			1																
Administrative Assist.	65		1	1																
Total Consulting Costs		0	857	839			0	0	0	0	0	680		0		0				

\$2,376.00

Consultant Name: SCS Engineers
 Site Name: Queens Way Cleaners
 BRRTS #: 02-41-182420
 Date: 10/05/2016

DERF Site Investigation Bid Sheet
Analytical Costs

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Parameter	WI Certified Lab			Field Test/Field Kit			Mobile Lab			Total Costs
	\$/sample	# samples	Method Used	\$/sample	# samples	Method Used	\$/Sample \$/Day	# Samples # Days	Method Used	
Solids Analysis										
VOCs	60	0	8260B							\$0.00
TCLP	225	0								\$0.00
RCRA Metals										\$0.00
Duplicate Analyses										\$0.00
Blank Analyses										\$0.00
Other: (Specify)										\$0.00
Water Analysis (low flow sampling assumed unless otherwise indicated at bottom of this sheet)										
VOCs	60	0	8260B							\$0.00
Nitrate*	12	0	353.2							\$0.00
Dissolved Oxygen*				8	0					\$0.00
Temperature*				2	0					\$0.00
Ferrous Iron*										\$0.00
Sulfate*	12	0	375.2							\$0.00
Sulfide*										\$0.00
ORP*										\$0.00
pH*				0	0					\$0.00
TOC*										\$0.00
Alkalinity*	10	0	2320B							\$0.00
Chloride*										\$0.00
Spec. Conductance*				1	0					\$0.00
Ethene/Ethane/Methane*	90	0	8015							\$0.00
Hydrogen*										\$0.00
Carbon Dioxide*										\$0.00
RCRA Metals										\$0.00
Duplicate Analyses (VOCs)	60	0	8260B							\$0.00
Blank Analyses-Trip (VOCs)	0	0	8260B							\$0.00
Other: Iron, dissolved	7	0	6010							\$0.00
Manganese, dissolved	7	0	9020A							\$0.00
Air Analysis										
VOCs	220	3								\$660.00
TCE										\$0.00
PCE (minimum detection limit is <10 ppbv)										\$0.00
Other: (Specify)										\$0.00
Waste Analyses (soil/water)										
										\$0.00
										\$0.00
Miscellaneous (specify)										
										\$0.00
										\$0.00
Charge for Mobile Lab (indicate # days and daily fee)										
Total Analytical Costs										\$660.00

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

ATTACHMENT B

Actual Costs Incurred for Workplan/Change Order Development
(SCS Invoices Excerpts)

Invoice2830 Dairy Drive
Madison, WI 53718-6751608 224-2830
FAX 608 224-2839
www.scsengineers.com**SCS ENGINEERS**Mr. Lou Dodulik
Hunn Family Trust
945 Elm Grove Road
PO Box 5246
Elm Grove, WI 53122**Remit to: SCS Engineers**
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816
Tax ID No: 54-0913440September 30, 2016
Invoice No: 0286799
Project Manager Betty Socha

Project 25212159.01 DERF Investigation, Hunn Family Trust, Milwaukee, Wisconsin

Professional Services from August 01, 2016 to August 31, 2016

Task	00016	Site Investigation Work Plan / Change Order #1	Hours	Rate	Amount
Professional Personnel					
Senior Project Manager					
Socha, Betty	5/17/2016		1.50	130.00	195.00
SI Work Plan/Change Order 1					
Socha, Betty	5/18/2016		1.00	130.00	130.00
Client meeting					
Socha, Betty	5/25/2016		1.00	130.00	130.00
SI Work Plan/Change Order 1					
Socha, Betty	5/27/2016		6.00	130.00	780.00
SI Work Plan/Change Order 1					
Socha, Betty	5/31/2016		3.50	130.00	455.00
Socha, Betty	6/3/2016		1.00	130.00	130.00
SI Work Plan					
Socha, Betty	6/28/2016		1.00	130.00	130.00
Storm & sanitary sewer location information per DNR request					
Socha, Betty	8/2/2016		.50	130.00	65.00
Respond to DNR questions on CO/work plan					
Socha, Betty	8/3/2016		.50	130.00	65.00
Call from DNR re: scope of work for interim action & additional SI					
Socha, Betty	8/9/2016		1.00	130.00	130.00
Respond via email to DNR email regarding scope, requesting response to WT map, plume extent, soil conc. maps					
Senior Project Manager					
Langdon, Robert	5/31/2016		1.00	130.00	130.00
DERF change order					

Senior Project Professional					
Kollasch, Anthony	5/26/2016	1.00	108.00	108.00	
Kollasch, Anthony	5/27/2016	.50	108.00	54.00	
Kollasch, Anthony	6/1/2016	.50	108.00	54.00	
Kollasch, Anthony	6/2/2016	.50	108.00	54.00	
Designer/Drafter					
Peterson, Kirk	6/3/2016	.50	62.00	31.00	
Project Administrator					
Bull, Mari	6/16/2016	1.00	65.00	65.00	
Budget file setup for CO#1					
Administrative Assistant 2					
Haefner, Lisa	6/1/2016	1.00	55.00	55.00	
Sub-Slab and Indoor Air Data Tables, revise with current standards					
Newell, Janice	6/2/2016	1.50	55.00	82.50	
Viney, Ashley	6/3/2016	1.00	55.00	55.00	
Assembled pdf, printed 3 copies, mailed					
Totals		25.50		2,898.50	
Total Labor					2,898.50

Professional Services from September 01, 2016 to September 30 2016

Task	00016	Site Investigation Work Plan / Change Order #1			
Professional Personnel					
		Hours	Rate	Amount	
Senior Project Manager					
Socha, Betty	9/11/2016	3.00	130.00	390.00	
Review incurred costs, review approved scope and tasks completed, checked soil data to evaluate DNR suggestion for injection at MW1, outline revised proposal					
Socha, Betty	9/19/2016	5.00	130.00	650.00	
Revise scope per DNR comments, propose approach for going forward					
Socha, Betty	9/20/2016	1.00	130.00	130.00	
Propose scope & budget to DNR in an email					
Totals		9.00		1,170.00	
Total Labor					1,170.00
				Total this Task	\$1,170.00