

## SCS ENGINEERS

August 31, 2018  
File No. 25212159.01

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: 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 site investigation change order request for the former Queens Way Cleaners Dry Cleaner Environmental Response Fund (DERF) project. The change order includes a scope of services and costs for installation of piezometers, groundwater monitoring, and reporting. Cost estimate spreadsheets are included in **Attachment A**. Subcontractor bids are included in **Attachment B** as back-up to the cost estimate spreadsheets.

The DERF Linking Spreadsheet (WDNR Form 4400-214D, R05/12), which shows the project budget and requested change order amount, is included in **Attachment C**. The current approved project budget is \$89,535.05. Costs billed to date total \$74,936.96. (This includes \$14,660.05 of costs incurred by the previous consultant.) The project balance is \$14,598.09. The costs for new site investigation scope included in this change order total **\$50,386**.

The workscope for this work plan was outlined in the Remedial Actions Options submitted to the Wisconsin Department of Natural Resources (WDNR) on October 25, 2017. The following proposed scope of work is based on that submittal.

The scope of work includes:

- Coordinating access to the former dry cleaning site with the tenant, Lindems Auto, and with the adjacent property owner for piezometer installation and groundwater monitoring.
- Capping the area of the tank excavation to eliminate preferential infiltration to the source area, and attempting to lower the groundwater mound in the tank area by pumping from MW1.



- Installing four piezometers at four water table locations. Piezometers will be screened in the top of bedrock, approximately 40 to 50 feet below ground surface.
- Developing piezometers consistent with Wisconsin NR 141 administrative code.
- Surveying piezometer top-of-casing elevations relative to mean sea level.
- Conducting hydraulic conductivity tests at selected water table wells and piezometers.
- Sampling each piezometer a minimum of two times.
- Measuring water levels in all wells a minimum of two times following the capping of the former tank bed.
- Analyzing soil samples from the four well locations to characterize the soil for waste characterization and disposal permitting.
- Analyzing groundwater samples and appropriate quality assurance/quality control samples for volatile organic compounds (VOCs).
- Managing and disposing of investigation-derived waste.
- Preparing a Site Investigation Report Addendum.
- Corresponding with our client and the WDNR.

## PROJECT SCOPE AND WORK PLAN

Following is the proposed work plan for the additional site investigation. A cost estimate for the work is attached (**Attachment A**). The previously approved costs and proposed costs for this change order for each site investigation task are summarized on the attached DERF Linking Spreadsheet (**Attachment C**). The task numbers listed on the spreadsheet correspond to the tasks as described in the following paragraphs.

### **Task 1 – Work Plan Development**

Included in developing the work plan for additional site investigation are the following:

- Evaluating physical site characteristics (underground and overhead utility locations, steep slopes, traffic, etc.) for drill rig access.
- Preparing requests for bids and obtaining drilling bids for piezometers (rotasonic or air rotary drilling in sediments and bedrock).
- Preparing requests for bids for disposal of drummed soil cuttings.

- Preparing a soil profile and obtaining preliminary approval of soil disposal as a hazardous waste.
- Contacting MMSD for requirements for disposal of contaminated water to the sanitary sewer.
- Reviewing existing site data and updating the site Health & Safety Plan for drilling in the source area. This information was provided to drillers for consideration in preparing bids for the drilling scope.
- Preparing this work plan, figure showing proposed sampling locations, and cost estimates.
- Discussing with the owner's representative the additional work, projected costs, and schedule.

### **Task 2 – Access Agreements**

The site and adjacent properties and proposed monitoring well locations are shown on **Figure 1**. The site is leased to Lindems Auto Repair. SCS will contact the property owner and tenant at the locations listed below in order to arrange access for installation and sampling of piezometers.

The following are needed to provide access for installation and sampling of piezometers:

- Coordination with Lindems to install a cap over the source area located where the former PCE tank was located.
- Coordination with Lindems to assure that proposed piezometer drilling locations MW2AP, MW1P, and MW4P and existing wells on the site are accessible and not blocked by automobiles or other obstructions.
- Obtaining an access agreement and coordinating with the owner of the residential property located at 3935 N Palmer Street to install piezometer MW12P.

### **Task 3 – Installation of Source Area Cap**

Groundwater flow at the water table is radially outward from the location of MW1 due to increased infiltration to groundwater from the permeable backfill material used during the excavation of the former PCE tank. Capping the area of the tank excavation should eliminate preferential infiltration into the highly contaminated material and allow better evaluation of groundwater flow pattern.

## Cap Installation

This task involves capping the tank basin source area with asphalt, removing soil to allow proper installation of the capping material, and pumping water from MW1 to facilitate removal of the groundwater mound.

SCS proposes installation of an approximately 3-inch layer of asphalt over the tank excavation area. SCS will oversee and document the installation and construction of the proposed cap. The cap will extend to Lindems' garage and the house garage walls. Shallow soil (less than 1 foot bgs) will need to be removed to create a base for the asphalt. The soil will be field screened and drummed for disposal. Previous testing indicates the potential for non-hazardous concentrations of contamination in the shallow soil. Pumping from MW1 is planned to reduce the head in excavation backfill.

The scope of work includes the following:

- Coordinate access with Lindems' garage and the owner of the garage at 3913 North Palmer Street for the installation of the cap.
- Install a cap over the tank excavation area, an area of approximately 10 x 30 feet.
- Field screen excavated soil, place in drums, and dispose as a non-hazardous waste.
- Maintain MW1.
- Obtain MMSD permission to dispose of water pumped from MW1 to the sanitary sewer.
- Pump from MW1 and dispose of water to the sanitary sewer on site via a manhole.

## Task 4 – Piezometer Installation

### Soil Borings for Piezometer Installation

Proposed piezometer locations are shown on **Figure 1**. The piezometer will be installed adjacent the existing monitoring well at each location - preferably within 10 feet of the water table well. Final locations will be determined in the field based on utility locations and general accessibility. We assume that all locations will be accessible with the selected drill rig.

Utilities in the public right-of-way will be located and marked by Digger's Hotline. Utilities on the site and on the adjacent private property where a piezometer will be installed will be located and marked by a private utility locator.

Soil samples will be collected continuously from all borings and described according to the Unified Soil Classification System (USCS), noting stratigraphy and moisture. Bedrock cuttings or other samples will be collected at maximum 5-foot intervals and described for color, cementation, and rock type. Soil and bedrock samples will be screened at 2-foot intervals using a photoionization detector (PID).

One soil samples from each borehole will be submitted to a laboratory for analysis for VOCs to characterize the soil for waste disposal. The sample will be selected to represent the segment of

the profile not previously analyzed, i.e., below the depth of the adjacent water table well. Sample collection depths will be determined based on field observations, including PID results. Soil cuttings from each boring will be segregated (placed in separate drums) based on the field observations to minimize the amount of soil requiring disposal as hazardous waste.

All borings and wells will be documented consistent with Wisconsin Administrative Code NR 141.

### **Piezometers**

The piezometers will be installed using rotosonic drilling methods. The piezometers will be installed in bedrock approximately 40 to 50 feet below ground surface (bgs). The driller estimated 3 days to install the four piezometers. The well locations shown are based on the assumption that groundwater flow at the piezometric surface is overall to the north/northeast towards the Milwaukee River as indicated by groundwater flow directions at nearby leaking underground storage tank sites. Contaminants have not been detected at MW14, supporting this interpretation.

The piezometers will be developed consistent with NR 141, and the top-of-casing elevations will be surveyed relative to mean sea level. Single well aquifer response tests (slug tests) will be conducted on approximately three selected existing water table wells and three of the piezometers to evaluate the hydraulic conductivity of the geologic strata present at the site.

The rationale for placement of the four piezometers is as follows:

**MW1P** is intended to evaluate the vertical extent of contaminants identified in groundwater near the source area around MW1. The piezometer will be installed outside of the tank excavation backfilled area.

**MW2AP** is planned to be the upgradient piezometer.

**MW12P** and **MW4P** are intended to be downgradient of the source area at the piezometric level.

### **Investigative Waste Management**

All soil and rock cuttings from well drilling will be contained in 55-gallon steel drums and left on site pending receipt of analytical results. Results of previous soil sampling indicate that some soils will need to be disposed as hazardous. Costs to manage hazardous wastes are included in this change order request and include consultant time to obtain an EPA generator number and perform required hazardous waste reporting.

### **Task 5 – Groundwater Monitoring**

Conduct groundwater monitoring for VOCs as follows:

- Collect two rounds of groundwater samples from the piezometers on an approximate quarterly schedule. (Analyze four groundwater samples plus a duplicate and a trip blank each sampling event.)
- Collect at least two rounds of water levels from the water table wells and piezometers following the capping of the former tank bed, to evaluate the need for any additional wells or groundwater sampling.
- Dispose of purge water to the sanitary sewer with approval from the MMSD.

### **Task 6 – Site Investigation Report**

A report that documents the field investigation activities and presents the investigation results will be prepared following an evaluation of the field and laboratory data. The report will include the following:

- Description of sampling activities and laboratory analysis.
- WDNR soil boring logs, well construction forms, and well development forms.
- Tabulated results of laboratory chemical analysis performed on soil and groundwater samples.
- Tabulated groundwater elevations and vertical hydraulic gradients.
- A water table flow map.
- A potentiometric flow map.
- Revised geologic cross-sections (two).
- A map showing the extent of groundwater contamination at the piezometer level.
- Laboratory analytical reports.
- Waste disposal documentation.
- Recommendations for additional investigation, if necessary.

### **Task 7 – Project Management**

In addition to management of technical aspects of the project, project management will include the following activities:

- Contracting with the client and subcontractors
- Correspondence with the client, WDNR, subcontractors, property owners, and the site lessee
- Invoicing and budget tracking

## Schedule

The following schedule provides an estimated schedule for the project, assuming receipt of approval to proceed by October 1, 2018:

Task	Approximate Schedule
	<b>2018</b>
Access Agreements for Well Installation	October
Piezometer Installation	October
Installation of Source Area Cap	October
Well Development & Hydraulic Conductivity Testing	November
Groundwater Sampling (4 piezometers) & water levels in all wells	November
	<b>2019</b>
Groundwater Sampling (4 piezometers) & water levels in all wells	March
Submittal of Site Investigation Report Addendum	June

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**



Meghan Blodgett, PG  
Project Hydrogeologist  
**SCS ENGINEERS**

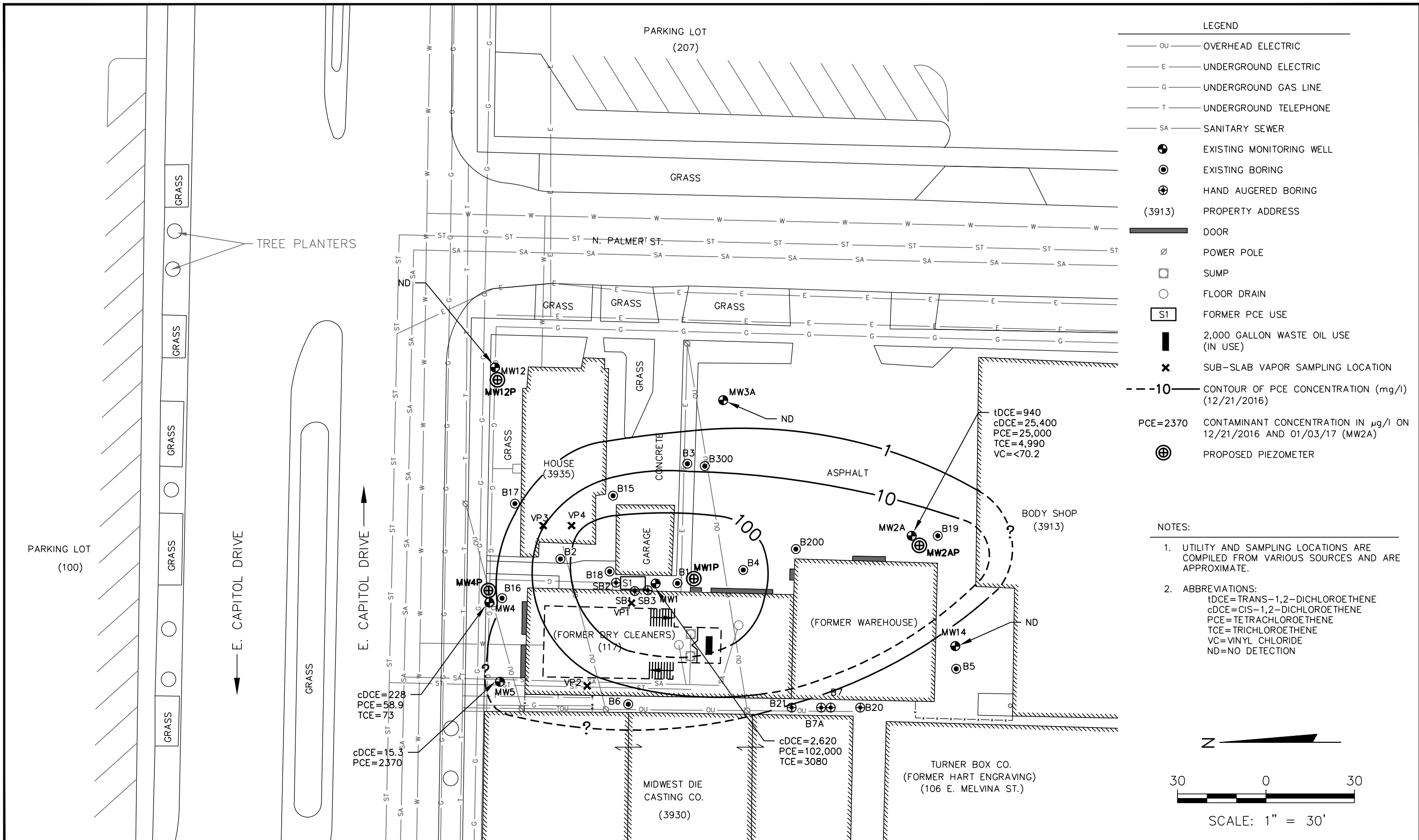
cc: Mr. Lou Dodulik, Mudroch & Dodulik, S.C.

Enclosures: Figure 1 – Proposed Piezometer Locations [VOC Concentrations in Groundwater]  
Attachment A – Cost Estimates  
Attachment B – Subcontractor Bids  
Attachment C – Linking Spreadsheet

## **FIGURE**

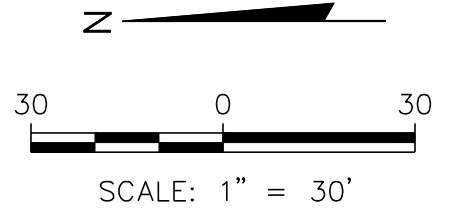
- 1 Proposed Piezometer Locations  
[VOC Concentrations in Groundwater]





- LEGEND**
- OU — OVERHEAD ELECTRIC
  - E — UNDERGROUND ELECTRIC
  - G — UNDERGROUND GAS LINE
  - T — UNDERGROUND TELEPHONE
  - SA — SANITARY SEWER
  - ⊕ EXISTING MONITORING WELL
  - ⊙ EXISTING BORING
  - ⊕ HAND AUGERED BORING
  - (3913) PROPERTY ADDRESS
  - DOOR
  - ∅ POWER POLE
  - SUMP
  - FLOOR DRAIN
  - S1 FORMER PCE USE
  - ▬ 2,000 GALLON WASTE OIL USE (IN USE)
  - ✕ SUB-SLAB VAPOR SAMPLING LOCATION
  - - - 10 — CONTOUR OF PCE CONCENTRATION (mg/l) (12/21/2016)
  - PCE=2370 CONTAMINANT CONCENTRATION IN µg/l ON 12/21/2016 AND 01/03/17 (MW2A)
  - ⊕ PROPOSED PIEZOMETER

- NOTES:**
- UTILITY AND SAMPLING LOCATIONS ARE COMPILED FROM VARIOUS SOURCES AND ARE APPROXIMATE.
  - ABBREVIATIONS:  
tDCE=TRANS-1,2-DICHLOROETHENE  
cDCE=CIS-1,2-DICHLOROETHENE  
PCE=TE TRACHLOROETHENE  
TCE=TRICHLOROETHENE  
VC=VINYL CHLORIDE  
ND=NO DETECTION



PROJECT NO. 25212159.00	DRAWN BY: BJM	<b>SCS ENGINEERS</b> 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT HUNN FAMILY TRUST 946 ELM GROVE ROAD ELM GROVE, WISCONSIN	SITE FORMER QUEENS WAY CLEANERS 117 E. CAPITOL DRIVE MILWAUKEE, WI	FIGURE 3
DRAWN: 12/03/13	CHECKED BY: JD				
REVISED: 06/05/18	APPROVED BY:				

# **ATTACHMENT A**

Cost Estimates

**Site Information**

Queens Way Cleaners

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SCS Engineers | Hunn Family Trust

**Bid Summary**

<b>Drilling Costs Total =</b>	<b>\$</b>	<b>18,553.00</b>
<b>Analytical Costs Total =</b>	<b>\$</b>	<b>1,846.00</b>
<b>Consulting Costs Total =</b>	<b>\$</b>	<b>21,052.00</b>
<b>Misc Costs Total =</b>	<b>\$</b>	<b>8,934.89</b>
<b>Grand Total =</b>	<b>\$</b>	<b>50,385.89</b>

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: 30 Aug 2018

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

Please refer to work plan/change order request dated August 30, 2018.

**SCOPE**

- 4 piezometers to 50 feet. One soil sample per piezometer for VOCs.
- Survey elevation of ground & casing.
- Develop & slug test. Dispose development water.
- Sample 4 new piezometers for VOCs two times. Dispose purge water.
- Dispose of soil cuttings as hazardous or non-hazardous waste as appropriate.
- Pump from MW1 to lower water table mound. Dispose purge water.
- Coordinate installation of impermeable cap over former tank area.
- Reporting.



**DERF Site Investigation Bid Sheet**  
**Analytical Costs**

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	69	4	8260B							\$276.00
TCLP	220	4								\$880.00
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	69	10	8260B							\$690.00
Nitrate*	20	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*	12	0	2320B							\$0.00
Chloride*										\$0.00
Spec. Conductance*				1						\$0.00
Ethane/Ethane/Methane*	80	0	8015							\$0.00
Hydrogen*										\$0.00
Carbon Dioxide*										\$0.00
RCRA Metals										\$0.00
Duplicate Analyses (VOCs)	69	0	8260B							\$0.00
Blank Analyses-Trip (VOCs)	0	0	8260B							\$0.00
Other: Iron, dissolved	10	0	6010							\$0.00
Manganese, dissolved	10	0	9020A							\$0.00
Air Analysis										
VOCs	175	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										\$1,846.00

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

TCLP required for waste characterization per WM quote for non-hazardous soil disposal.

Consultant Name: SCS Engineers  
 Site Name: Queens Way  
 BRRTS #: 02-41-182420  
 Date: 06/03/2016

**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	Haz. Waste disposal coordination	MW1 Pumping	MW1 Purge Water Disposal	Tank Area Capping	Drilling Oversight & sampling	Drill Cuttings Disposal	Well Development and Survey	Hydraulic Conductivity Tests	Groundwater sampling	SI Report preparation	RAOR Report preparation	Project Management		Other (specify)		
<b>Professional Staff</b>																			
Project Director	185	1																\$185.00	
Senior Project Manager	158	10	2	2	1	2	4				2	4		6				\$5,214.00	
Senior Project Prof. I	118																	\$0.00	
Project Professional	108	9	4	4	2	1	3	4		3	6	2	16					\$5,832.00	
Staff Professional	103	8																\$824.00	
																		\$0.00	
<b>Field Staff</b>																			
Field Professional	98				8	2		30			7							\$4,606.00	
Field Technician	85				2		6		3	8	12							\$2,635.00	
																		\$0.00	
																		\$0.00	
																		\$0.00	
																		\$0.00	
<b>Office Support Staff</b>																			
Drafting	93	2										5						\$651.00	
Administrative Assist.	65	4	3							1			4		5			\$1,105.00	
																		\$0.00	
																		\$0.00	
																		\$0.00	
<b>Total Consulting Costs</b>		4007	943	748	1328	304	1150	4004	255	1069	1334	1552	3085	0	1273			\$21,052.00	

\$21,052.00

## DERF Site Investigation Bid Summary Sheet

### Miscellaneous Costs

Major Activity	Specifications	Commodity Unit (specify)	Unit Rate	Number of Units	Total Cost
IDW Disposal					
Waste Disposal	Non-Hazardous Soil	Drum	103.20	4	412.80
Non-Haz based on WM rates from 6/7/18	Non-Hazardous Soil Haul Fee	Per Haul	275	1	275
	Non-Hazardous Soil Profile Fee	Unit	100	1	100
Haz based on Tradebe rates from 6/21/18	Hazardous Soil	Drum	233	6	1398
	Hazardous Soil	Transport Fee	250	1	250
	Hazardous Soil	Fuel Surcharge (30%)	75	1	75
	Hazardous Soil	Manifest Fee	6	1	6
	Hazardous Soil	Environmental Assessment Fee (9.8%)	130	1	130
5.5% Sales tax on hazardous & non-hazardous soil disposal	Soil Disposal Sales Tax				145.57
	Purge Water Discharge to MMSD	Per 1,000 gallons	2.50	3	7.50
<b>Equipment Rental (list and include shipping costs if applicable)</b>					
Water level indicator		Day	20	5	100
PID		Day	75	3	225
Dissolved Oxygen Meter		Day	40	0	0
Pressure transducer/data logger		Day	125	1	125
Purge pump		Day	30	4	120
<b>Field Supplies (list)</b>					
Ice		Bag	7	6	42
Dedicated Bailers		Each	35	4	140
Digital Camera		Day	10	3	30
Locks		Each	10	4	40
Well Caps		Each	18.25	4	73
Soil Scale		Day	25	3	75
<b>Surveying</b>					
Laser level/GPS Total station		Hour	25	4	100
<b>Personal Protection Equipment (list)</b>					
Level D PPE		Day	15	5	75
<b>Other (specify)</b>					
Impermeable Cover in Tank Area (Munson Inc. Bid 6/14/2018)		Lump Sum	1	4490	4490
Private Utility locator		Hour	4	125	500
					0
<b>Total Miscellaneous Costs</b>					<b>\$8,934.89</b>

**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.

Included are equipment rental etc. for drilling (3 days), surveying, well development, and 2 sampling rounds.

**ATTACHMENT B**

Subcontractor Bids



## SCS ENGINEERS

June 6, 2018  
File No. 25212159.01

**SUBJECT:** Request For Bid (RFB)  
Hunn Family Trust – Former Dry Cleaners  
117 E. Capitol Drive, Milwaukee, WI

SCS Engineers is requesting bids for the installation of four piezometers at the Hunn Family Trust – Former Dry Cleaners at 117 E. Capitol Drive, Milwaukee, WI. The former dry cleaner was converted to an automobile repair shop. Wells will be installed at the auto shop and the adjacent residential property. The work is to be performed during late summer/early Fall 2018 once access is obtained to all locations by SCS. The work includes the following tasks:

### **Four Piezometers to about 50 feet**

**Piezometers will be installed approximately 10 feet from existing monitoring wells installed to about 25 feet bgs in unconsolidated soil.**

- Blind drill unconsolidated soil to approximately 25 feet.
- Sample soil to bedrock surface.
- Drill into dolomite bedrock about 10 feet.
- Monitoring Well construction: 2-inch Schedule 40 PVC riser, 5 feet of No. 10 slot screen. Flush-mounted cover with locking well plug.
- Drum cuttings and store at 117 E. Capitol Drive.

### Site Information and Assumptions

- Geology consists of 8 to 12 feet of lean clay overlying dense sandy silt and clay (glacial till). The water table is at approximately 10-20 feet bgs. A dense layer of bouldery till or weathered bedrock (possible float rock) exists below the lean clay. Dolomite bedrock is at about 35 – 40 feet.
- Work space may be tight at one or more locations.
- Assume concrete, asphalt, gravel, or grass drilling locations.
- Driller is responsible for marking public utility lines and subterranean structures in the areas to be drilled. Driller will notify Diggers Hotline and other appropriate public authorities prior to the start of drilling to locate public utility lines and subterranean structures.



- Driller must comply with all applicable federal, state, local and any other legally required safety and health standards, orders, rules, regulations and laws in performing the work.
- For cost estimating purposes, assume work will be performed in Level D safety. Drilling personnel must be prepared to upgrade to Level C, if necessary. Include a cost for Level C protection.
- All work to be done in accordance with NR 141.
- Steam clean augers, bit, and sampling tools before job and between borings; site cleanup at end of job.
- Drill cuttings will be drummed. Contractor shall move drums to one area of the site as directed by SCS. Include 55-gallon drums in your bid.
- Include unit cost breakdown of bid items to be applied to changes in project scope.
- SCS will perform all boring and well installation documentation.
- SCS reserves the right to reject any or all bids.
- This RFB and Contractors Bid may become Exhibits to a contract for services.
- Water and electricity available at auto shop at 117 E. Capitol Drive.

\* \* \* \* \*

Please return your itemized quote by email by June 8, 2018.

Enclosures: Piezometer locations.



HORIZON CONSTRUCTION AND  
EXPLORATION, LLC  
764 Tower Drive  
Fredonia, WI 53021  
262-692-3347

# Estimate

Date	Estimate #
6/7/2018	3154-e1

Name / Address
SCS Engineers, Inc. Jackie DeBruyne 2830 Dairy Drive Madison, WI 53718

Project
3154

Description	Qty	Cost	Total
To: Jackie DeBruyne Associate Scientist  SCS ENGINEERS 2830 Dairy Drive Madison, WI 53718 608.224.2830 Direct: 608.216.7340 • Cell: 608.381.9188 www.scsengineers.com Re: Roto-Sonic drilling in Milwaukee, WI Work scope: -Four 2" Piezometers via Roto-Sonic to 50 feet. -Continuously Sampled 4X6 or SDT 45 System. -Install flushmount at each. -Decon -Drums -Upgrade to perform work in Level C  Location: 117 E Capitol Drive, Milwaukee, WI.  Monitoring well Installation: AMS CRS 17-C Roto-Sonic Drill Rig Mobilization and Support Truck @ \$1,600.00 lump sum Rig and Crew for each additional day @ \$650.00/day Roto-Sonic 4 X 6 or SDT45 @ \$40.00 / ft Roto Sonic Setup Charge @ \$186.00/location 2" Roto-Sonic Well Installation @ \$16.00 / ft Flushmounts/Stickups @ \$193.00 / each 55 gallon DOT open top drums @ \$53.00/each *estimated quantity* Sonic Decon @ \$150.00 / day Skidsteer @ \$300.00/day Concrete Coring @ \$100.00 / Each Concrete/Asphalt Penetration @ \$50.00/each Upgrade to Level C PPE @ \$450.00/day			
	1	1,600.00	1,600.00
	2	650.00	1,300.00
	200	40.00	8,000.00
	4	186.00	744.00
	200	16.00	3,200.00
	4	193.00	772.00
	4	53.00	212.00
	3	150.00	450.00
	3	300.00	900.00
	0	100.00	0.00
	1	25.00	25.00
	3	450.00	1,350.00
Thank you for your business.		<b>Total</b>	



HORIZON CONSTRUCTION AND  
EXPLORATION, LLC  
764 Tower Drive  
Fredonia, WI 53021  
262-692-3347

# Estimate

Date	Estimate #
6/7/2018	3154-e1

Name / Address
SCS Engineers, Inc. Jackie DeBruyne 2830 Dairy Drive Madison, WI 53718

Project
3154

Description	Qty	Cost	Total
<p>Note:</p> <p>1)Please return the attached Standard Terms &amp; Conditions Agreement to schedule your project.</p> <p>2)Consultant / Owner responsible for marking ALL private utilities, as applicable.</p> <p>3)If you need a specific rig for your project, please request so prior to mobilization.</p> <p>3)Actual quantities used will be invoiced.</p> <p>4)Does not include drumming of rotary recycled water.</p>			
Thank you for your business.	<b>Total</b>		\$18,553.00



Account Name: SOS Engineers  
 Address: 2390 Dainy Drive  
 Madison, WI 53713

Contact Name: Jackie DeBruyne  
 Email: JDeBruyne@sosengineers.com  
 Phone: (608) 216-7340  
 Bill To Account Number:

Bid Date: 6/7/2018  
 Quote Number:  
 Quote Revision Date:  
 Opportunity/Project Name: Milwaukee, WI  
 Work Site Address: Milwaukee, WI

**Cascade Rep Contact Information**

Prepared By: Dennis Robins      Email: [drobins@cascade-env.com](mailto:drobins@cascade-env.com)

**Scope of Work**

1.) Install (4) 2" X 50' PVC Piezometers with 5' 10-slot screens, 2.) Contain IDW in 55-gal drums, 3.) Decon between borings.

Description	Quantity	Unit	Sales Price	Optional Subtotal
Mobilization	1	Each	\$ 2,500.00	\$ 2,500.00
Per Diem & Lodging	3	Days	\$ 300.00	\$ 900.00
4" X 6" Sonic Drilling (Overburden)	160	Feet	\$ 40.00	\$ 6,400.00
7" Over-Ride Casing (Overburden)		Feet	\$ 20.00	\$ -
4" Sonic Bedrock Drilling	40	Feet	\$ 65.00	\$ 2,600.00
6" Borehole Abandonment		Feet	\$ 8.00	\$ -
2" PVC Well Installation	200	Feet	\$ 20.00	\$ 4,000.00
Level C Upgrade		Hours	\$ 125.00	\$ -
Move, Setup, Decon, IDW Handling	5	Hours	\$ 350.00	\$ 1,750.00
Well Development	4	Hours	\$ 200.00	\$ 800.00
Well Completion with 2' X 2' Concrete Pad	4	Each	\$ 300.00	\$ 1,200.00
55-Gal Drums	11	Each	\$ 75.00	\$ 825.00
Standby		Hours	\$ 400.00	\$ -

Pre-Tax Total      \$20,975.00  
 Tax Percentage    0.00%  
 Taxes                \$0.00  
 Quote Total        \$20,975.00

Wisconsin: 301 Alderson Street, Schofield, WI 54476 ♦ Tel. 715-355-8516



This quote is based on information provided by you and is valid for 45 days from the bid date. Your firm is responsible for 1) Obtaining any site specific permits, 2) Locating and clearly marking underground installations or utilities, 3) Furnishing dig Alert numbers at least three working days prior to scheduled start date and proof of private locating services, 4) Obtaining access to site with no overhead wires within 20' of the holes. Cascade Drilling shall not be responsible for damages to underground improvements not clearly and accurately marked. If bedrock, cobbles, flowing sands or other adverse or unsafe drilling conditions are encountered, drilling may continue on a time and materials basis or be terminated at the discretion of Cascade. Additional costs may apply if scope is significantly changed. Well development by others may void some or all of Cascade warranties of workmanship and materials. Prices assume standard labor rates and no work hour restrictions. Proposal is subject to final review of terms and conditions.

\_\_\_\_\_  
Signature of Client/Owner Authorized Representative

\_\_\_\_\_  
Signature of Authorized Cascade Representative

\_\_\_\_\_  
Name & Title of Authorized Representative and Company

\_\_\_\_\_  
Signature of Authorized Cascade Representative

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

Cascade provides management of investigation derived waste. Call us today for information on a full range of additional options to meet your drilling needs.



**Socha, Betty**

---

**From:** Smith, Brian <bsmith45@wm.com>  
**Sent:** Thursday, June 07, 2018 8:26 AM  
**To:** DeBruyne, Jackie  
**Cc:** Socha, Betty; Neumann, Zachary  
**Subject:** WM: SCS\_Jackie: Bid for Drum Disposal

Hi Jackie. Based on the lab reports presented, we would require a TCLP for non-haz disposal. There are some hot areas. Providing the results come back as non-haz, our pricing would be as follows:

✓ \$80.00 Per Drum  $\$80 \times 8 = \$640$   
✓ \$275.00 Per Haul / Box Truck Milk Run  
%14.50 Fuel fee  
%14.50 Environmental Fee  $\$640 \times 14.5\% = \$92.80 \times 2 = \$185.6 \text{ Fees}$   
✓ \$100.00 Profile Fee  $\frac{\$825.60}{8} = \$103.20/\text{drum}$

\*assuming non-haz and profile approval  
\*Must be easily accessible for box truck removal

Thanks!  
Brian

**Brian Smith**  
Industrial Account Manager  
Manufacturing & Industrial- SE/South Central Wisconsin  
[bsmith45@wm.com](mailto:bsmith45@wm.com)  
Cell 414-793-0232

**Waste Management**  
**Technical Service Center**  
W132 N10487 Grant Drive Germantown, WI 53022  
TSC 800-963-4776  
Fax 866-800-2591

Please visit us @[www.wmsolutions.com](http://www.wmsolutions.com)

**From:** DeBruyne, Jackie [<mailto:JDeBruyne@scsengineers.com>]  
**Sent:** Wednesday, June 6, 2018 8:46 AM  
**To:** Smith, Brian <bsmith45@wm.com>  
**Cc:** Socha, Betty <[BSocha@scsengineers.com](mailto:BSocha@scsengineers.com)>  
**Subject:** [EXTERNAL] Bid for Drum Disposal

Hi Brian,

Could you provide us a cost estimate/bid for disposing up to 10 55 gallon drums? Attached are analytical results from previous soil sampling. We will be installing more wells, hopefully in August, and will collect a few more soil samples for waste profiling we can send you, but this should help for now. We plan to install a well adjacent to MW1, MW1 does have some high concentrations of PCE. We are not anticipating the other wells to have those concentrations.

Thank you!

**Jackie DeBruyne**  
Staff Professional



**SCS ENGINEERS**

2830 Dairy Drive

Madison, WI 53718

608.224.2830

Direct: 608.216.7340 • Cell: 608.381.9188

[www.scsengineers.com](http://www.scsengineers.com)

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**Recycling is a good thing. Please recycle any printed emails.**



# TRADEBE

June 21, 2018

Betty Socha  
SCS Engineers  
2830 Dairy Drive  
Madison WI 53718-6751

Tradebe Environmental Services, LLC  
4343 Kennedy Avenue  
East Chicago, IN 46312  
T. (800) 388-7242 F. (219) 397-6411  
www.tradebeusa.com us.csmw@tradebe.com

**QUOTATION NUMBER:20227241**

Dear Ms. Betty Socha,

Tradebe Environmental Services, LLC is pleased to provide the following quote for your waste disposal needs. We provide a broad range of services including hazardous and non-hazardous waste transportation and disposal, laboratory chemical packing, field services and on-site services. We are pleased to submit the following proposal for the environmental management of the waste and/or services located at the site referenced below.

<b>GENERATOR:</b>	<b>SCS Engineers 117 E. Capitol Drive Milwaukee WI 53212</b>
-------------------	--

<b>SERVICES:</b>	<b>Amount USD</b>
------------------	-------------------

### DISPOSAL

Ref.	Profile / Description / Process Code	Quantity	Unit Price USD	Amount USD
30	1000180855 / QUEENS WAY CLEANERS SOIL / ND WASTE DRUMS PRICED PER WEIGHT: MINIMUM CHARGE:	6	1.15 /US pound 233.00 /55gal	1398.00

### TRANSPORTATION

Ref.	Description	Quantity	Unit Price USD	Amount USD
10	Minimum Charge - Transportation	1	250.00 /each	250.00
	<b>TRANSPORTATION SURCHARGES</b>			
	Fuel surcharge applies on Transportation Items	EAF	30.00%	75.00
			9.3%	130.00

### MISCELLANEOUS

Ref.	Description	Quantity	Unit Price USD	Amount USD
20	WI DNR Haz Manifest Fee	1	6.00 /each	6.00

<b>ESTIMATED TOTAL:</b>	<b>1,859.57</b>
	Env. Assessment Fee + 130.00

### WASTE SPECIFICATIONS

Materials subject to additional charges if material does not conform to the listed specifications

ND-Low BTU Solid for Blending/Combustion

- < 3000 BTU
- No Poison Inhalation Hazard Mixtures
- No PCB
- No NESHAP Regulated Waste
- No 5.2 Material
- pH 2-12.5
- No Reactive Cyanides Or Sulfides
- No Nitrocellulose

5.5% tax + 102.28  
 Total \$ 2091.85



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No Metal Powders  
 Examples: < 3000 BTU Gasoline UST Clean Up Soil

**TERMS & CONDITIONS**

- Pricing is effective immediately and is good for 30 days from date of quotation.
- Approval and pricing is based on materials being received at Tradebe facilities matching the waste profile. Waste that does not conform to the approved waste profile will be processed or returned to Generator at Tradebe's sole discretion and Customer's sole expense. Customer will be liable for damages resulting from non-conforming waste.
- No changes to this quotation or addition of subsequent terms and conditions shall be effective unless agreed upon in writing by both parties.
- All services are COD until credit has been approved. Payment Terms are Due in 30 days.
- Customer shall pay a service charge of 1.5% per month on any amount not paid when due. In the event of default, Customer will be responsible for all costs of collection including reasonable attorney fees.
- Unless otherwise noted, sales tax and state regulatory fees are not included in quoted prices.
- An Environmental Assessment Fee of 9.30 % will be applied to all non-transportation items on the invoice.
- A variable Fuel Surcharge may be applied to the Transportation portion of the invoice.
- Containers for disposal must be DOT rated and in shippable condition.
- Cancelled pick-ups or deliveries within 72 hours of scheduled date will be subject to cancellation charges.
- Pick-ups that require same day or next day service may be subject to additional expedited service charges.
- A paperwork preparation fee may be assessed if applicable.

Tradebe Environmental Services, LLC has offered hazardous waste management services to the industrial sector since 1986 and has continually strived to develop recycling based technology to assist our customers in reducing operational costs while improving environmental performance.

Thank you for the opportunity to submit this proposal. If you have any questions, please feel free to contact me.

Sincerely,

Richard Kent  
 rich.kent@tradebe.com

This proposal must be signed by Customer and returned to Tradebe Environmental Services, LLC in order to schedule service. Your signature or facsimile copy of this letter containing your authorized signature may be sent to Richard Kent by email at us.cs@tradebe.com.

Accepted By : \_\_\_\_\_  
 Title : \_\_\_\_\_  
 Company Name : \_\_\_\_\_  
 Date : \_\_\_\_\_



**TRADEBE**  
Environmental Services, LLC

**TRADEBE TREATMENT AND RECYCLING, LLC**

**GENERATOR WASTE STREAM PROFILE SHEET**

Profile # \_\_\_\_\_

Process Code \_\_\_\_\_

**Email completed profile shoot to your Sales/Customer Service Representative or [usa.approvals@tradebe.com](mailto:usa.approvals@tradebe.com)**

**A. GENERATOR INFORMATION:**

**SITE ADDRESS**

*USE CONTINUATION IF SITE & MAILING ADDRESSES ARE DIFFERENT*

Generator #: 9100120481  
 Generator Name: \_\_\_\_\_  
 Generator Address: 117 E Capitol Drive  
 City: Milwaukee State: WI Zip: 53212  
 Contact Name: \_\_\_\_\_  
 Generator Phone: \_\_\_\_\_  
 Generator Fax: \_\_\_\_\_  
 Generator Email: \_\_\_\_\_  
 Generator USEPA/Federal ID #: \_\_\_\_\_

**CUSTOMER INFORMATION:**

Customer #: 1100033019  
 Customer Name: SCS Engineers  
 Customer Address: 2830 Dairy Drive  
 City: Madison State: WI Zip: 53718  
 Contact Name: Jackie DeBruyne  
 Customer Phone: 608-224-2830  
 Customer Fax: \_\_\_\_\_  
 Customer Email: \_\_\_\_\_  
 Customer Service/Sales Rep: \_\_\_\_\_

If no ID number is the Generator a VSQG (Very Small Quantity Generator)? \_\_\_\_\_ Yes \_\_\_ No

Generator NAICS Code: \_\_\_\_\_ Generator State ID # (If applicable): \_\_\_\_\_

**Mailing Address If different than Site Address:**

*(Please use Profile Continuation page if additional information is supplied)*

Name: \_\_\_\_\_ Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Please check if generator has "No Canada Disposal" policy \_\_\_\_\_ Yes

Please check if generator has "No Landfill" policy \_\_\_\_\_ Yes

Please list other disposal restrictions: \_\_\_\_\_

Facility Restrictions, (If Any): \_\_\_\_\_

**B. WASTE STREAM INFORMATION:**

Generator's Waste Name: Queens Way Cleaners Soil

Describe Process Generating Waste (Flowcharts, if applicable): Soil Drilling

Is this waste exempt from RCRA regulation? \_\_\_\_\_ Yes

If "yes" explain or cite regulation below: (Example: Hazardous secondary material, HHW, CESQG): \_\_\_\_\_

Is this waste from a CERCLA cleanup site? \_\_\_\_\_ Yes

Waste determination was made by:  Testing  Generator Knowledge  SDS/MSDS  Sample  Other: \_\_\_\_\_  
*(Attach analytical, SDS/MSDS, or other supporting documentation used for waste determination)*

Does the Waste have any of the following characteristics? \_\_\_\_\_ Yes (if yes check all that apply)  No

Oxidizer  Dioxin or Suspect  Water Reactive  Air Reactive  Organic Peroxide  
 Hexachrome  Infectious Waste  Radioactive  Chelating Agent  Lachrymator  
 Explosive  Shock Sensitive  Polymerizer  Pyrophoric  Inhalation Hazard, Zone \_\_\_\_\_

**C. GENERAL CHARACTERISTICS:**

**Color:** Varies **Physical State @ 70 F** **Phases** **BTU/lb** **pH**  
**Odor:** \_\_\_\_\_ % liquid \_\_\_\_\_ aerosol  single layer  <3000(Ex: water) <2 (Acid) 10.0-12.5  
 \_\_\_\_\_ None 100% solid \_\_\_\_\_ powder \_\_\_\_\_ double layer \_\_\_\_\_ 3,000-5,000 2.0-4.0 >12.5 (Base)  
 Mild \_\_\_\_\_ % sludge \_\_\_\_\_ other \_\_\_\_\_ >2 layers \_\_\_\_\_ 5,000-10,000  4.0-10.0 N/A  
 \_\_\_\_\_ Strong \_\_\_\_\_ % debris \_\_\_\_\_ how many? \_\_\_\_\_ >10,000 (Ex: oil) Viscosity \_\_\_\_\_ cP

Liquid Flashpoint: \_\_\_\_\_ <73 F \_\_\_\_\_ 73 to 99 F \_\_\_\_\_ 100 to 139 F \_\_\_\_\_ 140 to 200 F  >200 F \_\_\_\_\_ None

Boiling Point \_\_\_\_\_ Specific Gravity: \_\_\_\_\_ Total Halogens: \_\_\_\_\_ % Total Organic Carbon (TOC): \_\_\_\_\_ % VOC \_\_\_\_\_ %

**D. CHEMICAL COMPOSITION: Total of Maximum concentration must be > or = to 100%.**

*(Please Note, no "Trade Names" "Proprietary Ingredients" "Formulas" or "Name Reagents" are acceptable). All TRI chemicals must be included.*

Constituents	Min%	Max%	ppm	Constituents	Min%	Max%	ppm
Soil	95	98					
Water	3	5					
Tetrachloroethylene			2100				
Trichloroethylene			2.3				

(If there are additional chemicals to be added, please list on Profile Continuation Page)

Does the Waste contain any of the following?

Metal Pieces: \_\_\_\_\_ Yes  No *If yes, Describe Metal:* \_\_\_\_\_  
 Nitrocellulose: \_\_\_\_\_ Yes  No *Metal Powder or Flake:* \_\_\_\_\_ Yes  No *Sharps:* \_\_\_\_\_ Yes  No  
 Isocyanates: \_\_\_\_\_ Yes  No *Asbestos: (If yes, must be double bagged and wetted)* \_\_\_\_\_ Yes  No  
 Reactive cyanide: (If yes, indicate level in ppm) \_\_\_\_\_ Yes  No *Range of reactive cyanide*  
 Reactive sulfide: (If yes, indicate level in ppm) \_\_\_\_\_ Yes  No *Range of reactive sulfide*  
 PCBs:  None \_\_\_\_\_ 0-49 ppm \_\_\_\_\_ 50-499 ppm \_\_\_\_\_ 500+ ppm *(If waste contains PCBs, certification form is required)*

Does this Waste contain Benzene subject to Subpart FF Regulations? \_\_\_\_\_ Yes

*If waste contains benzene, it may be subject to Benzene Neshap rules. Please complete and submit Tradebe's Benzene NESHAP form.*

**WASTE WATER ANALYSIS** Profile # \_\_\_\_\_

For waste streams being managed through TTR NE's wastewater treatment operations only:

Phases: Oil \_\_\_\_\_ % Water \_\_\_\_\_ % Interface \_\_\_\_\_ % Sediments \_\_\_\_\_ % DNAPL \_\_\_\_\_ %

Petroleum Phase	Suspected Level	Actual Level	Aqueous Phase	Suspected Level	Actual Level	Aqueous Phase	Suspected Level	Actual Level
PCB			Copper			Cobalt		
Halogens			Cadmium			Mercury		
Solvents			Chromium			Arsenic		
Arsenic			Lead			Barium		
Cadmium			Nickel			Sulfides		
Chromium			Silver			Cyanides		
Lead			Zinc			Phenols		
			COD			Glycols		
			Iron			Selenium		

List Specific Solvents: \_\_\_\_\_

**E. OTHER WASTE STREAM INFORMATION:**

Is this waste a USED OIL per 40CFR PART 279?  Yes  No

If Yes, does the total halogen content exceed 1,000 ppm?  Yes  No

If Yes, can you identify the Chlorinated Constituent present in the oil?  Yes  No

If Yes, can you rebut the presumption that this material is a Hazardous Waste?  Yes  No

Is the Waste subject to RCRA 40 CFR 264 & 265 Subpart CC controls (Are Volatile Organic Compounds >500 PPM)?  Yes

Does this waste contain any Hazardous Air Pollutants? (If so, Please list in Section D, Chemical Composition)  Yes

Does the Waste contain any Class I or Class II ozone-depleting substances?  Yes

Does waste contain EPCRA 313 chemicals identified in 40 CFR 372.65?  Yes

If yes list in Additional Information on Continuation Page.

Does this waste contain any Chemicals of Interest listed in 6 CFR Part 27 Appendix A (Department of Homeland Security)? If yes please list in Additional Information on Continuation Page.  Yes

**F. RCRA CHARACTERIZATION:**

Is this a USEPA Hazardous Waste as defined in 40 CFR 261.37  Yes  No

Is this a Universal Waste per 40 CFR part 273?  Yes  No

Does treatment of this waste generate a F006 or F019 sludge?  Yes  No

Please list all characteristic codes (D001-D043): \_\_\_\_\_ D039, D040

Does the waste contain UHCs above treatment standards levels? (40 CFR 268.48, 268.7)  Yes  No

(Please provide UHC(s) Chemical Composition (Section D))

Please list any applicable "F" Codes: \_\_\_\_\_

Please list any applicable "K" Codes: \_\_\_\_\_

Please list any applicable "U" codes: \_\_\_\_\_

Please list any applicable "P" codes: \_\_\_\_\_

Please list any state regulated codes: \_\_\_\_\_

**G. SHIPPING VOLUME & FREQUENCY:**

Bulk Liquid (tanker) \_\_\_\_\_ Gallons  Bulk Solids (roll-off box, vacuum box, etc) \_\_\_\_\_ Unibin/Flobin

Cubic Yard Boxes \_\_\_\_\_ Totes \_\_\_\_\_ size in gallons  Metal  Plastic in Metal Cage

Skid/Pallet \_\_\_\_\_ Other (if other, please describe): \_\_\_\_\_

Drums (Specify size) 85 55 30 15 5  Metal  Plastic  Fiberboard

Is waste a combination package (e.g. Drum w/ inner containers or skid w/ cases of consumer products)  Yes  No

Shipping Frequency: Number of Units \_\_\_\_\_ Per \_\_\_\_\_ Month \_\_\_\_\_ Quarter \_\_\_\_\_ Year \_\_\_\_\_ One time

**H. DOT SHIPPING INFORMATION**

Is this a U.S. Department of Transportation (USDOT) Hazardous Material?  Yes  No

Shipping Name per 49 CFR 172.101 Hazardous Materials Table: \_\_\_\_\_

UN3077 Environmentally Hazardous Substance, Solid, NOS (Tetrachloroethylene, Trichloroethylene) 9,III

Primary Hazard Class or Division: 9 \_\_\_\_\_ UN/NA #: 3077 Packing Group:  I  II  III

Secondary Hazard Class or Division: \_\_\_\_\_ ERG #: \_\_\_\_\_

Technical descriptors if required: \_\_\_\_\_ RQ if required: \_\_\_\_\_

DOT Special Permit that may apply (Include copy of permit): \_\_\_\_\_ Inhalation Hazard: Zone \_\_\_\_\_

**I. GENERATOR CERTIFICATION:**

"My authorized signature certifies the information contained in the Profile and the attached is complete and accurate, so that are no omissions of characteristics, composition or properties existing and all known or suspected hazards have been disclosed and that all shipments/samples referencing the profile number assigned to the waste stream described herein shall in all respects be consistent with the description. I further certify that I will notify Tradebe by email/letter of any characterization/chemical/process changes to the waste stream contained in this Profile prior to shipping". If signature is not by the Generator it is by the Generators authorized agent.

Name (print): Lou Dodulik Title: Agent

Signature: [Signature] Date: 6-8-2018



TRADEBE  
Environmental Services, LLC

**GENERATOR WASTE STREAM PROFILE ADDITIONAL INFORMATION SHEET**  
PLEASE PRINT IN INK OR TYPE

**Site Address (if different from generator address):**  
 Site Name (if different from generator): \_\_\_\_\_  
 Pick-up Address: \_\_\_\_\_  
 Additional Location Identification: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Contact Name: \_\_\_\_\_  
 Contact Phone: \_\_\_\_\_  
 Contact Fax: \_\_\_\_\_  
 Generator USEPA/Federal ID # (if different than generators) : \_\_\_\_\_

**Facility Restrictions (if any):** \_\_\_\_\_

**B. WASTE STREAM INFORMATION CONTINUATION**

Exemption: The waste described on this profile sheet is exempt/excluded from RCRA regulation under:  
(Cite regulation exempting waste from RCRA) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**D. CHEMICAL COMPOSITION CONTINUATION: Total of Maximum concentration must be > or = to 100%.**

Constituents	Min%	Max%	ppm	Constituents	Min%	Max%	ppm
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
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_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

**G. R.C.R.A. CHARACTERIZATION CONTINUATION:**

Additional characteristic codes (D001-D043): If waste carries a characteristic code, please check all applicable Underlying Hazardous Constituents in Appendix I: \_\_\_\_\_  
 \_\_\_\_\_

List additional F or K codes: \_\_\_\_\_  
 \_\_\_\_\_

List additional U or P codes: \_\_\_\_\_  
 \_\_\_\_\_

Additional State codes if required: \_\_\_\_\_

**ADDITIONAL INFORMATION**

(Use this space to include any other information about this waste)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Socha, Betty**

---

**From:** Dan Duffey <dduffy@munsoninc.com>  
**Sent:** Thursday, June 14, 2018 2:27 PM  
**To:** Blodgett, Meghan  
**Subject:** 117 East Capital Drive, Milwaukee

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hi Meghan

For your budget:

10' x 36' Area

- Excavate and discard off site grass and dirt within area to an average depth of 12".
- Shape and compact subgrade.
- Furnish and install a new 8" crushed aggregate base course. Fine grade and compact base.
- Pave area with 3" compacted hot mix asphalt.

Budget Price: \$4,490.00

Call me with any questions after review at (262)490-2247.

Thank you

Dan

**Dan Duffey**



**MUNSON, INC.**

C. (262)490-2247  
O. (414)351-0800  
F. (414)351-0879

Munson, Inc.  
6747 N. Sidney Place  
Glendale, WI 53209  
[www.munsoninc.com](http://www.munsoninc.com)

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## **ATTACHMENT C**

Linking Spreadsheet



Site Name: Hunn Family Trust (Queens Way Cleaners)  
 BRRTS #: 02-41-182420  
 Type of Action: Site Investigation & Interim Action

**Dry Cleaner Environmental Response Program  
 Reimbursement Cost Detail Linking Spreadsheet**

TASKS	BUDGET						Total Approved Budget	Previous Claims	INVEST	Invoiced Costs Not Claimed	Budget Remaining Use (-) to indicate cost over-run	% Task Complete, Remarks
	DNR Approval 4/8/13	Scoping	Interim Action 12/18/2013	DNR Approval 11/10/2016	Add. SI Proposed 8/31/2018	INVEST						
<b>Consultant Costs</b>												
Workplan Development	\$ 5,417.00					##	\$ 5,417.00	\$ 5,417.00		\$ -	\$ -	100% (SI work plan dated 4/3/2013)
Historic Information	\$ 2,126.00						\$ 2,126.00	\$ 1,839.50		\$ -	\$ 286.50	100% Complete
Access	\$ 2,150.00						\$ 2,150.00	\$ 2,150.00		\$ -	\$ -	100% (Complete for sampling performed)
Well and Boring Installation	\$ 6,172.00						\$ 6,172.00	\$ 4,290.00		\$ -	\$ 1,882.00	70% (Scope change due to access, need change order for additional wells)
Groundwater Sampling	\$ 6,376.00						\$ 6,376.00	\$ 3,714.00		\$ -	\$ 2,662.00	40% (2 of 4 rounds completed)
Soil Gas/Vapor Survey/Reporting	\$ 2,870.00						\$ 2,870.00	\$ 2,769.50		\$ -	\$ 100.50	100% Complete
SI Report Preparation	\$ 7,856.00						\$ 7,856.00	\$ 3,267.50		\$ -	\$ 4,588.50	25% Results to date reported
Project Management	\$ 3,315.00						\$ 3,315.00	\$ 1,408.00		\$ 175.00	\$ 1,732.00	50% On-going.
Equipment/Expenses	\$ 1,265.00						\$ 1,265.00	\$ 993.57		\$ -	\$ 271.43	80% (Not all groundwater monitoring is completed.)
Scoping		\$ 8,883.05					\$ 8,883.05	\$ 8,883.05		\$ -	\$ -	100% Complete
10 Interim Action - Install Mitigation System			\$ 2,348.00				\$ 2,348.00	\$ 2,519.50		\$ -	\$ (171.50)	100% Complete
11 Interim Action - Air Sampling			\$ 1,740.00				\$ 1,740.00	\$ 1,754.00		\$ -	\$ (14.00)	100% Complete
12 Interim Action - Cap Source Area							\$ -			\$ -	\$ -	No approved budget.
13 Interim Action - Work Plan / Cost Estimate			\$ 1,540.00				\$ 1,540.00	\$ 1,540.00		\$ -	\$ -	100% Complete
14 Interim Action - Revise Maintenance Plan								\$ 1,097.00		\$ -	\$ (1,097.00)	100% Complete, Requested by DNR
15 Interim Action - VMS Inspection & Report								\$ 581.00		\$ -	\$ (581.00)	100% Complete, Requested by DNR
16 Workplan/Change Order Development				\$ 4,065.50			\$ 4,065.50			\$ 4,119.50	\$ (54.00)	100% Complete
17 Historic & Current Off-site Information				\$ 1,585.00			\$ 1,585.00			\$ 1,735.00	\$ (150.00)	100% Complete
18 Geologic & Hydrogeologic Data Summary				\$ 4,997.00			\$ 4,997.00			\$ 5,952.50	\$ (955.50)	100% Complete
19 Groundwater Monitoring & Soil Sampling				\$ 1,813.00			\$ 1,813.00			\$ 2,287.22	\$ (474.22)	100% Complete
20 Subslab Vapor Sampling				\$ 2,376.00			\$ 2,376.00			\$ 2,501.50	\$ (125.50)	100% Complete
21 Equip/Expenses 11/10/2016 Approval				\$ 527.50			\$ 527.50			\$ 381.50	\$ 146.00	100% Complete
22 Workplan for Additional Site Investigation					\$ 4,000.00		\$ 4,000.00			\$ -	\$ 4,000.00	100% Complete
23 Install Piezometers, Monitoring & Reporting					\$ 15,902.00		\$ 15,902.00			\$ -	\$ 15,902.00	0% Complete
24 Cap Source Area					\$ 1,150.00		\$ 1,150.00			\$ -	\$ 1,150.00	0% Complete
25 Equip & Expenses 2018					\$ 1,145.00		\$ 1,145.00			\$ -	\$ 1,145.00	0% Complete
							\$ -			\$ -	\$ -	
<b>Consultant Cost Total</b>	<b>\$ 37,547.00</b>	<b>\$ 8,883.05</b>	<b>\$ 5,628.00</b>	<b>\$ 15,364.00</b>	<b>\$ 22,197.00</b>	<b>##</b>	<b>\$ 89,619.05</b>	<b>\$ 42,223.62</b>	<b>\$ -</b>	<b>\$ 17,152.22</b>	<b>\$ 30,243.21</b>	
<b>Sub-Contractor Costs</b>												
Drilling	\$ 4,210.00				\$ 18,553.00	##	\$ 22,763.00	\$ 3,357.00		\$ -	\$ 19,406.00	
Analytical	\$ 6,064.00		\$ 800.00	\$ 1,265.00	\$ 1,846.00		\$ 9,975.00	\$ 3,280.00		\$ 510.00	\$ 6,185.00	
EDR Database				\$ 400.00			\$ 400.00			\$ 320.00	\$ 80.00	
Non-Hazardous Waste Disposal/Transport	\$ 672.00				\$ 839.00		\$ 1,511.00			\$ -	\$ 1,511.00	
Hazardous Waste Disposal/Transport					\$ 1,961.00		\$ 1,961.00			\$ -	\$ 1,961.00	
Private Utility Locate	\$ 500.00				\$ 500.00		\$ 1,000.00			\$ -	\$ 1,000.00	
Scoping		\$ 5,777.00					\$ 5,777.00	\$ 5,777.00		\$ -	\$ -	
Vapor Mitigation Contractor			\$ 2,425.00				\$ 2,425.00	\$ 2,237.12		\$ -	\$ 187.88	
Paving Contractor					\$ 4,490.00		\$ 4,490.00			\$ -	\$ 4,490.00	
							\$ -			\$ -	\$ -	
							\$ -			\$ -	\$ -	
<b>Sub-Contractor Cost Total</b>	<b>\$ 11,446.00</b>	<b>\$ 5,777.00</b>	<b>\$ 3,225.00</b>	<b>\$ 1,665.00</b>	<b>\$ 28,189.00</b>	<b>##</b>	<b>\$ 50,302.00</b>	<b>\$ 14,651.12</b>	<b>\$ -</b>	<b>\$ 830.00</b>	<b>\$ 34,820.88</b>	
<b>DERF ELIGIBLE SUB-TOTALS</b>	<b>\$ 48,993.00</b>	<b>\$ 14,660.05</b>	<b>\$ 8,853.00</b>	<b>\$ 17,029.00</b>	<b>\$ 50,386.00</b>	<b>##</b>	<b>\$ 139,921.05</b>	<b>\$ 56,874.74</b>	<b>\$ -</b>	<b>\$ 17,982.22</b>	<b>\$ 65,064.09</b>	

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<b>Non-DERF Eligible Expenses</b>												
Ineligible cost										\$ 2,296.73		
Claim Prep										\$ 8,242.50		
Mark ups										\$ 43.83		
SI Costs for upcoming claim										\$ 5,601.81		
<i>Non-DERF Cost Total</i>									\$ -	\$ -	\$ 16,184.87	
<b>INVOICE GRAND TOTAL</b>								<b>\$ 56,874.74</b>	<b>##</b>	<b>\$ 34,167.09</b>		

**Check Numbers**

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