



Alpha Terra Science, Inc.
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September 16, 2008

Ms. Shirley Carlson
Shorewood Queensway Cleaners
4300 Oakland Avenue
Shorewood, WI 53211

RE: Proposal for DERF Site Investigation at the Shorewood Queensway Cleaners, 4300 Oakland Avenue, New York, WI, WDNR BRRTS # 02-41-552089, FID # 241094590

Dear Shirley:

Thank you for requesting a proposal from Alpha Terra Science (Alpha Terra) for the site investigation at your dry cleaner location on Oakland Avenue in Shorewood, WI. We hope you find our proposal thorough and sensible.

For this project, we propose a scope of work that will be adequate to define the extent of contamination for clean-up purposes. If the data cooperates and the extent of contamination is limited to the area near the building, the following scope of work should complete the site investigation. The activities include:

- Submittal of a Site Investigation Work Plan.
- Advancement of a total of eleven soil borings to a depth of up to 36 feet, including three indoor Geoprobe borings, six outdoor Geoprobe borings, and two larger 8-inch diameter borings for soil assessment purposes.
- Completion of four monitoring wells, including two per NR141 code, and two one-inch diameter wells installed with a variance to NR141 using pre-packed well screens. The wells will be used to evaluate the groundwater chemistry and flow.
- Field measurement of volatile compounds in soil using a photoionization detector.
- Retain fifteen soil samples for laboratory analysis of volatile organic compounds (VOCs) to define the extent of soil contamination.
- Retain and dispose of two drums of investigative waste (soil cuttings).
- Retain groundwater samples quarterly from the four monitoring wells over the course of one year, with one duplicate, for a total of 20 groundwater analyses for VOCs.
- Obtain four groundwater samples for analysis of geochemical parameters, to help assess whether degradation via natural attenuation is a viable clean-up alternative.
- Data evaluation and interpretation
- Preparation of a Site Investigation Report

The total cost for the investigation is shown on Table 1 and total approximately \$20,250.

BACKGROUND INFORMATION

The Shorewood Queensway Cleaners dry cleaning facility is an active single story slab on grade building located in downtown Shorewood, WI. The property is located on the northeast corner of Oakland Avenue and Marion Street. Drawings of the property location and the property layout, including known utilities, are attached as Figures 1 and 2.

The drycleaning machine is located near the eastern wall of the building adjacent to the rear doors. Drycleaning has been performed in this building since 1960, and the business has been operated or owned by the current owner, Ms. Shirley Carlson, since 1977. Prior to drycleaning, the building housed a gasoline service station. Tetrachloroethene (PCE) is used as the drycleaning solvent. The drycleaning machine has always been located at the existing location. Solvent was historically delivered via truck and hoses through the front (western) doors, and PCE was also delivered through the rear doors near the drycleaning machine. Dumpsters were located on the southeast corner of the property.

Previous Investigation Results

On June 13, 2008, one soil boring was advanced through the building floor adjacent to the drycleaning machine. Soil from a depth of 0.5 to 1.5 feet was retained for laboratory analysis of VOCs, and the results indicate the presence of 23.1 mg/kg tetrachloroethene (PCE). Based on the results, a release to the environment was reported to the Wisconsin Department of Natural Resources (WDNR), and a BRRTS number and responsible party letter were sent to the property owner. Due to the presence of contamination, a site investigation was required to determine the degree and extent of contamination in the soil and groundwater.

In 1995, soil samples from two borings installed in the Oakland Avenue right of way were obtained by the Village of Shorewood as part of a road construction project. The estimated boring locations are shown on Figure 2. According to Ms. Carlson, results from the southern boring had no detectable VOC's, but results from the northern boring had detections. Information from BRRTS on the web indicates one of the borings had 0.23 mg/kg PCE in soil from 1 to 3 feet. These results were reported to the WDNR in 1995, but no additional investigation was performed.

Nearby Property Investigation Results

Soil and groundwater chemistry data has been obtained on properties immediately south and kitty corner to the southwest of the Shorewood Queensway Cleaner site. These former gasoline service stations had multiple groundwater monitoring wells and soil borings, and information from these sites can help with evaluation of the site conditions on the Shorewood Queensway Cleaner site.

The former Gerseth Service Station site was located at 4231 Oakland Avenue, on the southwest corner of the Oakland and Marion intersection. Groundwater samples from up to nine monitoring wells have been tested, and drycleaning solvent compounds were included in the analytical tests from some of the wells in 1993 and 1994. No drycleaning solvents or breakdown products of

drycleaning solvents have been noted in the groundwater. The groundwater flow direction was identified as trending to the southwest, toward the Milwaukee River. This flow direction mirrors the site slope, and upon review of the topography in the area (Figure 1), the ground surface generally slopes to the southwest toward the Milwaukee River. Shallow groundwater flow directions generally mirror surface topography.

The Mailboxes, Etc., property at 4230 Oakland Avenue is immediately south of the Shorewood Queensway Cleaners Site. Eight shallow groundwater monitoring wells were installed to define the extent of contamination on the former gas station site. The depth to groundwater was approximately 2 to 6 feet below grade in the silty clay soils, and a mound of water perched in the former tank backfill divided the groundwater flow direction. Contaminant concentrations in the wells indicate groundwater flow is to the south or southwest. Groundwater chemistry data is available from 1997 to 2001 for this site, but it's not clear if the groundwater at this property was ever tested for drycleaning solvents.

These two sites have been closed and no further action is required on these properties. The monitoring wells are no longer present and have been abandoned.

A third gas station (former Shell, presently Einstein's Bagels) was located immediately across Oakland Avenue from the Shorewood Queensway Cleaners, but no information was available from the WDNR database for that property.

Geology and Hydrogeology

The native unconsolidated deposits consist of silty clay till, classified as end moraine¹. The depth to bedrock should be greater than 100 feet², and the surficial bedrock consists of dolomite of Devonian age³.

The depth to groundwater on the site is expected to be relatively shallow, within approximately 5 to 10 feet below grade, and the groundwater flow direction is likely to the southwest toward the Milwaukee River.

All homes and businesses in the vicinity of the site are connected to the City of Milwaukee Municipal supply, which is obtained from Lake Michigan.

OBJECTIVE

The purpose of the project is to define the extent of PCE and related breakdown products in the site soil and groundwater. Sufficient detail is needed to evaluate remedial options. If too little work is completed, additional work will be required by the WDNR. Our objective is to propose a sufficient scope of work in the initial drilling effort to avoid having to return to the site for additional drilling in the future.

¹ Hadley and Pelham, 1976, Glacial Deposits of Wisconsin, Map 10

² Trotta and Cotter, 1973, Depth to Bedrock in Wisconsin

³ Mudrey, et. al., 1982, Bedrock Geologic Map of Wisconsin

Compliance and full reimbursement from the WDNR for eligible DERF activities is also a main project objective.

PROPOSED SCOPE OF WORK AND DERF DECLARATION

The scope of work and cost estimate has been broken down on a task-by-task basis for your convenience. As required by the WDNR, the following statements must be included in environmental services proposals for DERF projects. Services will be performed in accordance with Chapters NR 169, NR 140, NR 141, and NR 700 *et seq* of the Wisconsin Administrative Code. Alpha Terra Science will provide to the WDNR, upon request, all documents and records related to the contracted services. We will make available to the WDNR for inspection and copying, upon request, all documents and records related to the contract services. Alpha Terra has not prepared this bid in collusion with any other consultant submitting a bid on this site and all services will be performed in an ethical, professional and timely manner.

As the project unfolds and results become known, the site conditions may necessitate changes to the project. To maintain DERF eligibility, any changes to the scope of the project and the budget will be discussed and approved by you and the WDNR project manager prior to implementation.

We have reviewed the provided information, completed the initial investigation, and are aware of the site conditions. Per NR169.23(3)(b), we are fully informed about the project scope, have the expertise to analyze alternatives and design the most suitable response actions, and will provide the necessary staff to plan, design, construct and complete the site investigation.

Task 1: Preparation/Approval of an NR 716 Site Investigation Work Plan

Per WDNR regulations, a Site Investigation Work Plan Report needs to be prepared and submitted to the WDNR for review and approval. Our proposal is comprehensive, and only a few additional details regarding the specific investigation methods will be added to create a Work Plan for review by the WDNR.

Approval of the Work Plan by the WDNR is a requirement for reimbursement under DERP. The WDNR project manager has up to 45 days to respond to the Work Plan and the site investigation will not be initiated until this approval is obtained.

Task 2: Boring Installations and Soil / Groundwater Sample Collection

The objective of this phase of the project is to define the horizontal and vertical extent of contamination in both the soil and groundwater. Soil contamination was identified in one boring (B-1) adjacent to the drycleaning machine, and at one location in the right of way.

A combination of indoor soil borings and outdoor borings using a Geoprobe are proposed for completion of most of the investigation (Figure 2). The indoor borings (B-4, B-5, B-6) will be advanced using a Geoprobe rig mounted on a handcart. The borings will be advanced to an estimated depth of 20 feet, and other than intermittent noise, should cause minimal disruption to the facility operations. Due to the known concentration of contamination near the drycleaning

machine, additional definition of the magnitude and extent of contamination beneath the structure is necessary.

Outdoor Geoprobe borings include one at the former product delivery area near the front door west of the building (B-8), and two borings further west in the parking lot (B-9, B-10). In the rear alley behind the building (east of the building) one boring B-7 and two borings by the rear door (MW-101, PZ-102) are proposed.

Two other borings are proposed near the detection in the right of way (MW-103), and in an anticipated downgradient location on the southwest portion of the property (MW-104).

For groundwater evaluation, typically the minimum number of monitoring wells needed to evaluate the extent of groundwater contamination includes three water table monitoring wells and one piezometer. Three water table wells are needed to define the direction of groundwater flow, and the piezometer (deeper well) is needed to define the vertical extent of contamination because PCE is more dense than water and it can sink.

At this site, it will be very difficult to mobilize a truck mounted drilling rig to the suspected location of greatest contamination adjacent to the drycleaning machine. The alley in the rear of the building is narrow, and there are overhead electric lines present in this area. We still propose to install a monitoring well nest (shallow and deeper well) near the dryclean machine, but traditional wells installed to NR141 code will not be possible to install in this area. Instead, it is proposed that two Geoprobe borings (MW-101 and PZ-102) be advanced to depths of 16 and 36 feet, respectively, near the rear door, and that they be completed with preppacked 1-inch diameter Schedule 40 PVC well screens. MW-101 will be screened from 16 to 6 feet below grade, and PZ-102 will be screened from 35 to 30 feet below grade. An expanding foam seal and bentonite clay will be used to seal off the piezometer well screen from the overlying borehole. The wells will be installed flush with the ground surface, with a watertight cap and a traffic-weight well cover to protect the well. This method of small diameter well installation has been approved by the WDNR in situations where conventional wells cannot easily be installed.

Monitoring wells MW-103 and MW-104 will be installed using a conventional drill rig, using the hollow stem auger drilling method to a depth of 14 feet. Removed soil cuttings will be drummed, stored on site, and eventually discarded. The monitoring wells will be advanced to an estimated depth of 14 feet below grade, with a 2-inch diameter Schedule 40 PVC well installed per NR141 code requirements. All wells will be installed flush with the ground surface, with traffic weight protective covers

At all boreholes, continuous soil samples will be retained using a two-foot long or four-foot long sampler. The soil will be geologically described and field measurement of VOCs will be performed on two-foot sample intervals using a photoionization detector (PID).

An estimated fifteen soil samples will be retained for laboratory analysis of VOCs, including one to two soil sample at each boring. The selected interval may be adjusted based on odors or the PID meter response, but will generally include soil from 5 to 6 feet below grade, something at a greater depth (18 to 20 feet) at the indoor borings, and possibly soil from 1 to 2 feet or 10 to 12

feet at other areas. The methanol preservation method of sampling will be utilized, and one methanol trip blank sample will also be submitted for quality control purposes.

Upon installation, the monitoring wells will be surveyed and developed per NR141 code. The wells will be bailed until 10 well volumes of water have been removed, or the wells have been bailed dry.

Task 3: Groundwater Monitoring (Four Quarterly Sample Events)

After the monitoring wells have been installed and developed, groundwater will be sampled from all four wells for four quarters. Dedicated bailers or other sampling devices will be used at all wells to prevent the potential for cross-well contamination. Field measurement of stable water elevations will be completed prior to sampling, and downhole monitoring of field geochemical parameters (pH, temperature, dissolved oxygen, oxidation reduction potential, conductivity) will be performed on two occasions.

Laboratory analysis of groundwater will include testing for VOCs from all four locations and a duplicate sample, for a total of five VOC samples per event. A trip blank sample will also be run for quality control purposes. During the second or third groundwater sampling event, laboratory analysis will also be completed for geochemical parameters. Testing for methane, ethane, ethene, sulfate, nitrate plus nitrogen, and dissolved iron and manganese will be performed. These parameters can help determine if the site will be a good candidate for reductive dechlorination.

Task 4: Data Evaluation and Interpretation

Once the soil and groundwater laboratory results are received, the data will be tabulated, mapped, and interpreted. A brief report summarizing the data will be prepared and sent to the WDNR and the client. The report will include an evaluation of the results and whether the information appears adequate for site characterization.

Task 5: Site Investigation Report Preparation

When investigative activities are complete a Site Investigation Report will be prepared. The report will present the investigation findings in a concise manner, and will include all supporting data.

If the extent of contamination has been adequately defined, and some sort of remediation is warranted, a Remedial Action Options (RAO) report will need to be completed. Further consultant proposals will need to be obtained prior to implementation of the remedial action, per the requirements of DERP.

Task 6: Project Management

Under this task, project management activities will be completed, including scheduling, management, invoicing, budget tracking, and subcontractor invoice review and approval. Alpha Terra Science will track the project budget on a monthly basis versus the approved amount on our invoices.

ESTIMATED COSTS

The site investigation cost estimate (Tasks 1 to 6) for the work described above is shown on Table 1. Costs have been broken down per the described tasks for clarity. Mileage, travel, and per diem (meals) are not eligible expenses under the DERF program, and we do not charge for these items on any DERF project. Drilling and laboratory charges (subcontractor services) will be invoiced directly to you for payment. Alpha Terra Science will review the invoices for compliance with the bid rates and quantities prior to submittal to you for payment.

Alpha Terra Science will not exceed this cost without your notification and approval. All the proposed investigation costs are expected to be eligible for DERP reimbursement.

DERP ISSUES AND DEDUCTIBLE

The State has a reimbursement fund called DERP that helps pay for most of the cost of cleaning up contamination from dry cleaner sites. The program is administered by the WDNR and has a program deductible of \$10,000, with eligible expenses above \$10,000 covered at a rate of 100% up to a total cost of \$200,000. Some matching coverage is required for expenses above \$200,000. The maximum eligible reimbursement amount is \$500,000 per site.

Investigation and clean up at drycleaner facilities can be costly, and if there is significant contamination, completion of the project in a manner that will maximize your reimbursement is essential. Our objective at Alpha Terra Science is to complete all tasks in a manner that minimizes your out-of-pocket expenses. We will comply with the requirements of ch NR 169, NR 140, and NR 700 to make sure expenses are eligible for reimbursement when it is time to file a reimbursement claim.

DERF claims can be submitted at certain milestones during the project, to allow you to get reimbursement for funding of subsequent environmental activities. Several DERP claims will be submitted during the life of a typical project.

SCHEDULE

Work could proceed immediately upon award of the project. Details regarding the schedule are provided below:

Work Plan Preparation	1 Week
WDNR Review and Approval of Work Plan	Up to 45 days after submittal
Line Up Drillers, Geoprobe Contractor, Diggers Hotline	2 weeks
Soil Sampling, Survey, Well Develop	3 days
Lab Results Soil Chemistry	2-3 weeks after drilling
Quarterly Groundwater Sampling	Every 3 months
Brief Initial Report / Closure	~ 9 weeks after approval
SI Report	Approximately 13 months after drilling completed

QUALIFICATIONS

All Alpha Terra Science staff members working on the technical aspects of the project have college degrees in geology, hydrogeology, or engineering and a minimum of 15 years experience in environmental consulting. We will provide qualified technical reviewers to advise the owner on the project, and will work toward the remedial goal of closure. Our track record on previous DERF sites includes a 100% rate of reimbursement, with no ineligible expenses. A list of references for DERF projects is attached.

Alpha Terra Science is a qualified environmental consulting firm with extensive experience in environmental assessments, site investigation, and remediation, particularly under the state reimbursement programs. We are the leading provider of consulting services for the Agricultural Chemical Reimbursement Program (ACCP), which is a reimbursement program for fertilizer and pesticide releases that is even more stringent in their reimbursement rules than the drycleaning fund. We have also completed hundreds of projects under the PECFA program.

Alpha Terra Science is located in both Plymouth and Mosinee, Wisconsin and serves clients throughout the state. The distinguishing characteristics of investigations and reports completed by Alpha Terra are the thoroughness and professional presentation of findings. We are a smaller firm with highly skilled and dedicated individuals with extensive experience in environmental evaluations.

The following paragraphs provide a synopsis of the qualifications of key staff for this project. References for Alpha Terra Science are attached.

Kendrick Ebbott is a Certified Ground-Water Professional and Wisconsin Professional Geologist with more than 20 years of professional consulting experience. Mr. Ebbott's areas of specialty include soil and groundwater remediation and site investigation related to a wide variety of contaminants. His project experience includes extensive work with DERP, PECFA and ACCP sites.

Amy Haak is a Wisconsin Professional Geologist and hydrogeologist with over 15 years of consulting experience. Ms. Haak has managed DERF, PECFA, Brownfield and ACCP projects, and specializes in obtaining case closure at facilities where difficult conditions persist. She has extensive experience with the investigation and remediation of petroleum, chlorinated compound, and agricultural releases, as well as sites with multiple contaminant types.

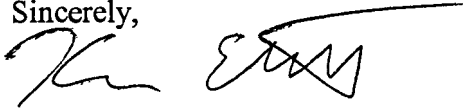
Kyle Kutcher, Environmental Technician, has earned a B.S. degree in Geology with an emphasis in Hydrogeology at the University of Wisconsin - Oshkosh. He has completed many hydrogeology courses in college including Physical, Chemical and Field Hydrogeology. Mr. Kutcher completes many of the field activities including drilling, soil and groundwater sampling, and remediation system operations and maintenance.

Jerry Phelan holds a B.S. in Mechanical Engineering from the University of Wisconsin - Madison. He has managed projects in environmental investigation and has designed/installed a wide variety of remediation systems. Using his 25 years of experience, he has supervised teams

of environmental professionals including engineers, hydrogeologists, scientists, and technicians. Mr. Phelan will provide engineering oversight where necessary for this project.

I hope you agree that this approach provides a cost effective way to evaluate the entire site. If you have any questions, please give me a call. I look forward to hearing from you.

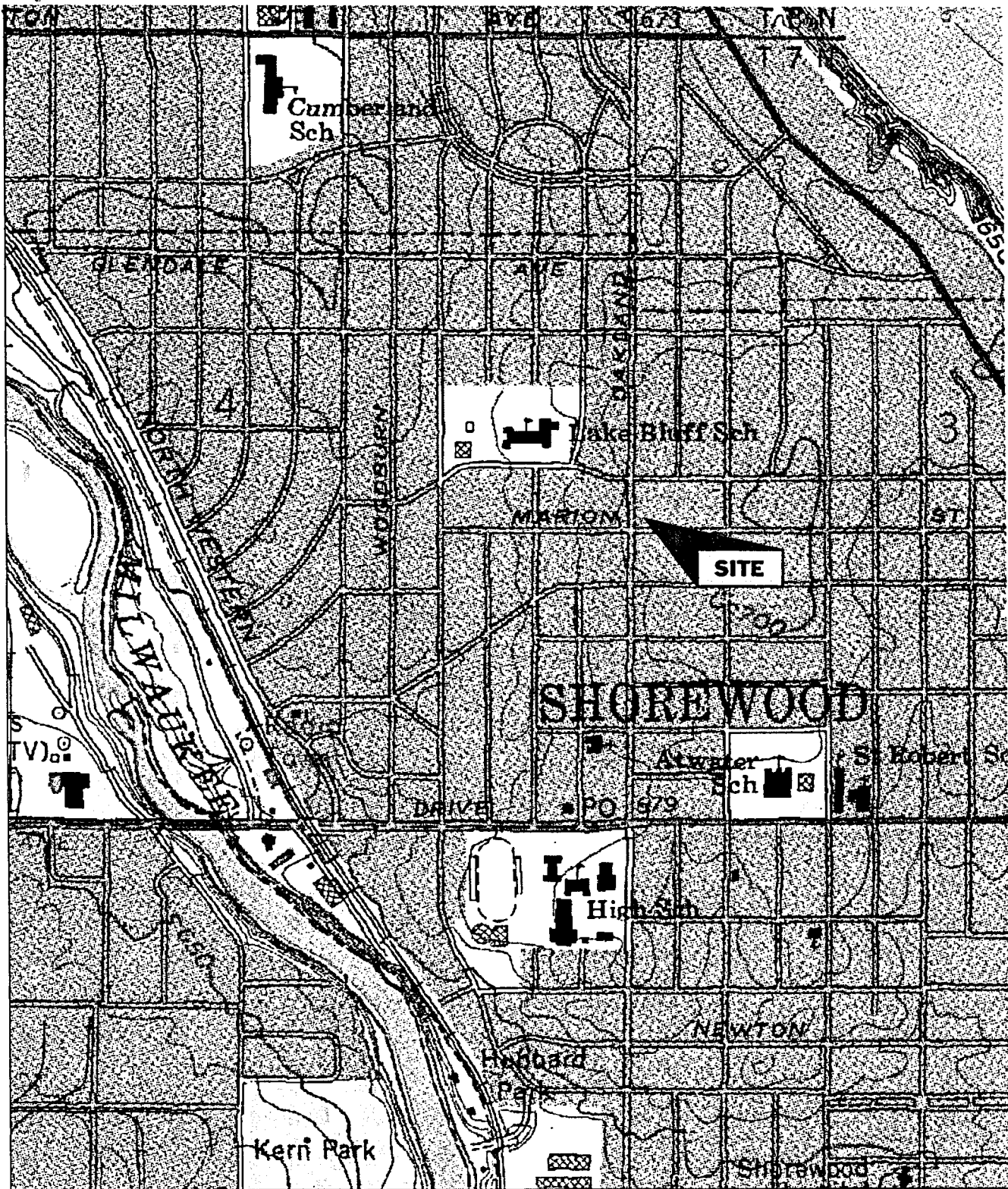
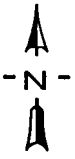
Sincerely,



Ken Ebbott, P.G.
Geologist

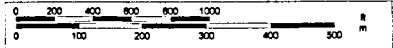
Attachments: Figure 1: Site Location and Local Topography
Figure 2: Soil Chemistry Results with Proposed Boring Locations
Table 1: Site Investigation Cost Estimate
DERP Bid Summary Sheets
Fee Schedule
References

cc: Mr. John Hnat, WDNR, W/ Attachments



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www.delorme.com

Scale 1 : 12,000
1" = 1000 ft



2.7°W

SITE LOCATION AND LOCAL TOPOGRAPHY
Shorewood Queensway Cleaners, Shorewood, WI

DATE	DESCRIPTION	APPVD



DATE: 9/16/08
DWG #: site location.sxd
APPROVED: KAE

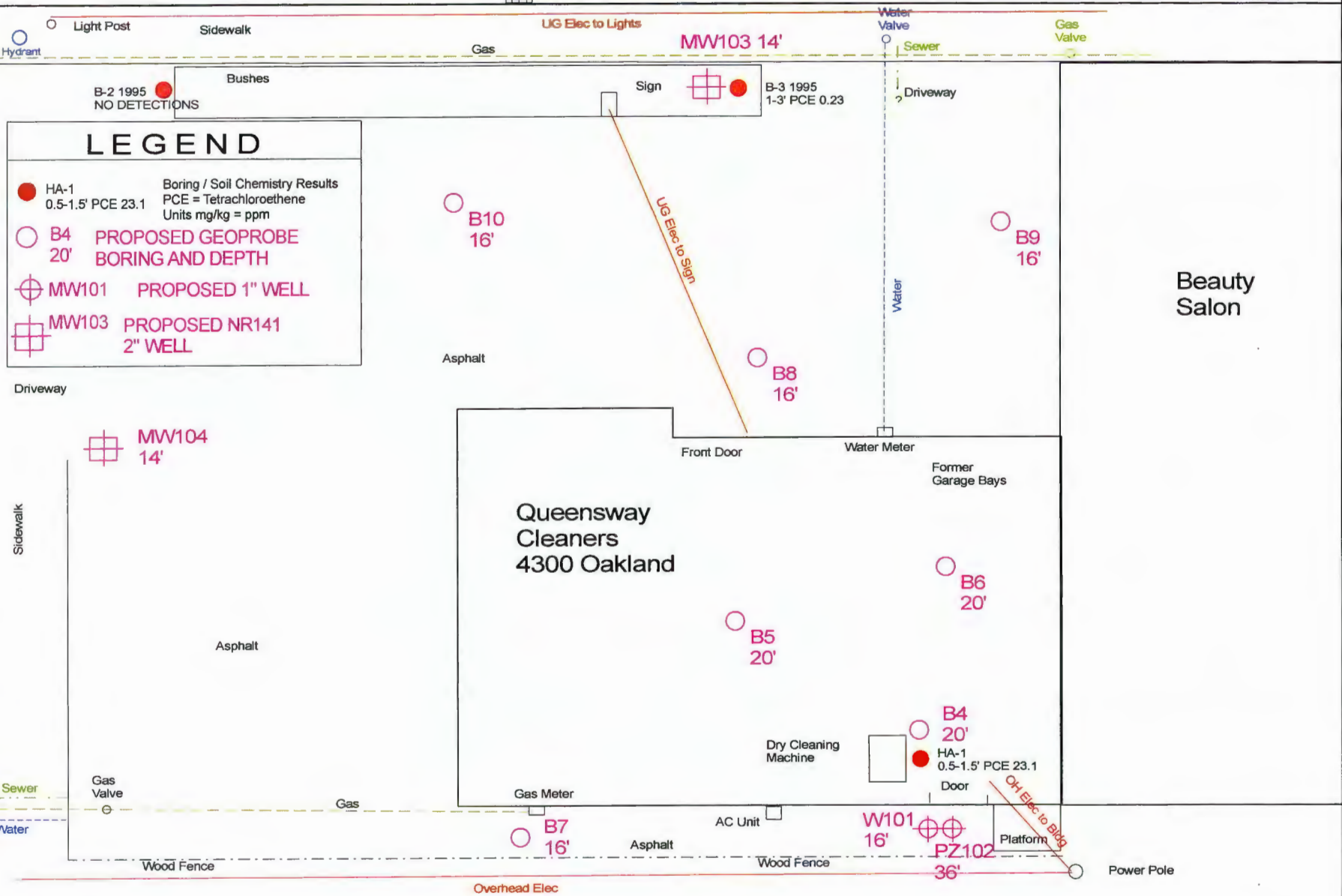
BASE MAP DeLorme 3-D TopoQuads, 2002, from USGS 7.5' Quad

SCALE: 1" = 1000'

FIGURE 1

OAKLAND

MARION



LEGEND

- HA-1 Boring / Soil Chemistry Results
0.5-1.5' PCE 23.1 PCE = Tetrachloroethene
Units mg/kg = ppm
- B4 PROPOSED GEOPROBE BORING AND DEPTH
20'
- ⊕ MW101 PROPOSED 1" WELL
- ⊞ MW103 PROPOSED NR141 2" WELL

Queensway Cleaners - Shorewood, WI		<p>ALPHA TERRA SCIENCE</p>
SOIL CHEMISTRY RESULTS AND PROPOSED BORINGS		
SCALE 1"=15'	DWG # Figure 2	
DRAWN BY: KAE	DATE: 9/16/08	

TABLE 1: Cost Estimate Site Investigation
September 16, 2008 : DERP Site
Shorewood Queensway Cleaners, Shorewood, WI

ITEM DESCRIPTION	Unit Price	Quantity	Units	Total Cost	
CONSULTING SERVICES					
Task 1: NR 716 Work Plan					
Sr. Hydrogeologist	\$90.00	3	hour	\$270.00	Labor \$270.00
Drafting	\$55.00	1	hour	\$55.00	\$55.00
<i>Subtotal Task 1</i>				\$325.00	
Task 2: Field Investigation: Geoprobe and Well Installations					
Sr. Hydrogeologist	\$90.00	4	hour	\$360.00	\$360.00
Field Technician / Geologist (indoor drill)	\$65.00	6	hour	\$390.00	\$390.00
Field Technician / Geologist (outdoor drill)	\$65.00	12	hour	\$780.00	\$780.00
Field Technician / Geologist (develop, survey)	\$65.00	8	hour	\$520.00	\$520.00
Field Tech / Geologist (ship, set up, Forms)	\$65.00	4	hour	\$260.00	\$260.00
Survey Gear	\$35.00	1	day	\$35.00	
WL Meter, peristaltic, tubing	\$75.00	1	lump	\$75.00	
PID	\$75.00	2	each	\$150.00	
Field Equip (gloves, ziploc, ice, dist, etc.)	\$50.00	1	lump	\$50.00	
<i>Subtotal Task 2</i>				\$2,620.00	
Task 3: Groundwater Sampling (four quarters, one year)					
Sr. Hydrogeologist	\$90.00	8	hour	\$720.00	\$720.00
Sr. Tech.- GW Sample	\$65.00	24	hour	\$1,560.00	\$1,560.00
Sample Ship, Forms	\$65.00	8	hour	\$520.00	\$520.00
Chemistry Meter	\$125.00	2	day	\$250.00	
Filters	\$20.00	4	each	\$80.00	
Peristaltic, WL Meter	\$61.00	4	each	\$244.00	
Bailers, Rope	\$25.00	8	each	\$200.00	
Field Equip (gloves, ziploc, ice, dist, etc.)	\$25.00	4	each	\$100.00	
<i>Subtotal Task 3</i>				\$3,674.00	
Task 4: Data Evaluation and Interpretation					
Sr. Hydrogeologist	\$90.00	4	hour	\$360.00	\$360.00
Sr. Technician	\$65.00	18	hour	\$1,170.00	\$1,170.00
Drafting	\$55.00	10	hour	\$550.00	\$550.00
<i>Subtotal Task 4</i>				\$2,080.00	
Task 5: Site Investigation Report Preparation					
Sr. Hydrogeologist	\$90.00	24	hour	\$2,160.00	\$2,160.00
Drafting	\$55.00	10	hour	\$550.00	\$550.00
Administrative	\$50.00	2	hour	\$100.00	\$100.00
<i>Subtotal Task 5</i>				\$2,810.00	
Task 6: PM & Coordination					
Sr. Hydrogeologist	\$90.00	12	hour	\$1,080.00	\$1,080.00
Sr. Tech (Waste Disposal Approval)	\$65.00	3	hours	\$195.00	\$195.00
<i>Subtotal Task 6</i>				\$1,275.00	
CONSULTING SERVICES TOTAL				\$12,784.00	\$11,600.00

COMMODITY SERVICES : BILLED DIRECTLY TO CLIENT

Task 2: Field Investigation: Geoprobe and Well Installations				
Indoor Geoprobe Drilling: Mini Rig (prices based on recent bids)				
Mobilization	\$450.00	1	lump	\$450.00
Indoor Drill / Sample	\$10.00	60	foot	\$600.00
Decontamination / Report	\$75.00	1	lump	\$75.00
<i>Subtotal Indoor Geoprobe Drilling</i>				\$1,125.00
Outside Geoprobe Drilling: Van (prices based on recent bids)				
Mobilization	\$350.00	1	lump	\$350.00
Outside Drill / Sample	\$7.00	116	foot	\$812.00
Diggers Hotline / Report	\$75.00	1	lump	\$75.00
Abandonment	\$0.00	64	foot	\$0.00
Decontamination	\$75.00	1	hour	\$75.00
Well Install PrePack Screens	\$15.00	feet	25	\$375.00
Foam Seal	\$1.00	each	35	\$35.00
Bentonite Sleeves	\$1.00	each	65	\$65.00
Riser / Bentonite Install	\$33.00	feet	5	\$165.00
Flush Covers (installed)	\$100.00	each	2	\$200.00
<i>Subtotal Outdoor Geoprobe Drilling</i>				\$2,152.00
Drilling & NR 141 Monitoring Well Installation (prices based on recent bids)				
Mobilization	\$450.00	1	lump	\$450.00
Drill w/Continuous Sampling	\$15.00	28	foot	\$420.00
Well / Piezometer Installation	\$15.00	28	foot	\$420.00
Flush Mount Covers	\$140.00	2	each	\$280.00
Drums	\$40.00	2	each	\$80.00
Decontamination / Report	\$100.00	1	lump sum	\$100.00
<i>Subtotal Well Installation</i>				\$1,750.00
Lab Work (DERF Annual Bid)				
VOC- Soil	\$52.00	15	each	\$780.00
<i>Subtotal Lab</i>				\$780.00
Investigative Waste Disposal (assume non-hazardous)				
Trip Charge	\$150.00	1	lump	\$150.00
Drum Disposal Soil	\$65.00	2	lump	\$130.00
Fuel Surcharge	\$75.00	1	lump	\$75.00
<i>Subtotal Waste Disposal</i>				\$355.00
SUBTOTAL TASK 2				\$6,162.00
Task 3: Groundwater Sampling (four quarters, one year)				
Lab Work (DERF Annual Bid)				
VOC- Groundwater (4 wells + dup)	\$50.00	20	each	\$1,000.00
NA Parameters - GW	\$77.00	4	each	\$308.00
SUBTOTAL TASK 3:				\$1,308.00
COMMODITY SERVICES TOTAL				\$7,470.00

TOTAL PROJECT COST	\$20,254.00
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Consultant Name: Alpha Terra
 Site: Shorewood Queensway Cleaners, Shorewood
 BRRTS#: 02-41-552089
 Date: September 16, 08

DERF Site Investigation Bid Summary Sheet Consultant Costs

Form 4400-233 (R 4/04) Page 5 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: Shorewood Queensway Cleaners	Facility Name: Shorewood Queensway Cleaners, 4300 Oakland Ave, Shorewood, WI	BRRTS # 02-41-552089
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Consultant Selected

Consultant Name: Alpha Terra Science	Consultant Address: 1237 Pilgrim Road, Plymouth, WI 53073
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Summary of Costs:

Consultant Name: Alpha Terra Science		Consultant Name:	
Consulting costs:	11600.00	Consulting costs:	
Drilling costs:	5027	Drilling costs:	
Analytical costs:	2088	Analytical costs:	
Miscellaneous costs:	1539	Miscellaneous costs:	
Total Costs:	20254.00	Total Costs:	

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

Optional 4th bid information:	
Consultant Name:	
Consulting costs:	
Drilling costs:	
Analytical costs:	
Miscellaneous costs:	
Total Costs:	

Justification for Selection:

Applicant Information and Certification

I certify that the information contained above is true and correct to the best of my knowledge.

Applicant Name:	Date		
Street Address:	City :	State: WI	Zip Code:

Signature

Department Use Only

Project Manager Approval Signature	Phone Number	Date
------------------------------------	--------------	------

If not approved, reason for non-approval:

Consultant Name: Alpha Terra
Site: Shorewood Queensway Cleaners, Shorewood
BRRTS#: 02-41-552089
Date: September 16, 08

DERF Site Investigation Bid Summary Sheet

Consultant Costs

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Site Information

Site Name: Shorewood Queensway Cleaners, Shorewood, WI

Consultant Name: Alpha Terra Science

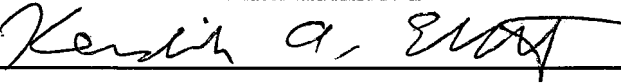
Applicant Name: Ms. Shirley Carlson

Bid Summary

Drilling Costs Total =	5027.00	
Analytical Costs Total =	2088.00	
Consulting Costs Total =	11600.00	
Misc Costs Total =	1539.00	
Grand Total =	20254.00	

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:

9-16-08

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

DERF Site Investigation Bid Summary Sheet
Consultant Costs

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 Completion						
Monitoring Wells	0 to 20 feet	2	28		15	420
	0 to 40 feet					0
Flush Mount Lids			2		140	280
Decontamination / Report			1		100	100
Mobilization Costs			1		450	450
Auger Borings (continuous sampling)						
Monitoring Wells	0 to 40 feet	2		28	15	420
Drums		2		2	40	80
						0
Auger Borings (specify split spoon sampling interval)						
	0 ft to 32 ft					
	___ ft to ___ ft					
	> ___ ft					
						0
						0
Direct Push Borings (per point)						
Continous Sample	< _55_ ft depth	8		116	7	812
Well Install Prepak Screen	_0 -32 ft depth	2		25	15	375
Bentonite / Riser Pipe	< _55_ ft depth	2		33	5	165
Decontamination / Report / Diggers Costs			1		150	150
Mobilization Costs Outdoor Rig			1		350	350
Well Development (if done by subcontractor)						
	Monitoring Wells					
	Piezometers					
	Recovery Wells					
Other						
Mobilize Indoor Rig			1		450	450
Drill Indoor Rig		3		60	10	600
Decon / Report Indoor Rig				1	75	75
Geoprobe Well Foam Seal Bent Sleeves		1		1	100	100
Flush mount well covers (1" wells)		2			100	200
Total Drilling Costs						5027

DERF Site Investigation Bid Summary Sheet

Consultant 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	52	15	8260							\$780.00
TCLP										\$0.00
RCRA Metals										\$0.00
Duplicate Analyses										\$0.00
Blank Analyses	0	2	8260							\$0.00
Other: (Specify)										\$0.00
Water Analysis (low flow sampling assumed unless otherwise indicated at bottom of this sheet)										
VOCs	50	16	8260							\$800.00
Nitrate*	8	4	353.2							\$32.00
Dissolved Oxygen*	0	8				Field				\$0.00
Temperature*	0	8				Field				\$0.00
Ferrous Iron*	8	4	8146							\$32.00
Sulfate*	8	4	375.4							\$32.00
Sulfide*										\$0.00
ORP*	0	8				Field				\$0.00
pH*	0	8				Field				\$0.00
TOC*	35		415.2							\$0.00
Alkalinity*	9		310.2							\$0.00
Chloride*	9		300							\$0.00
Spec. Conductance*	0	8				Field				\$0.00
Ethene/Ethane/Methane*	45	4	8015							\$180.00
Hydrogen*										\$0.00
Carbon Dioxide*										\$0.00
RCRA Metals										\$0.00
Duplicate Analyses (VOC)	50	4	8260							\$200.00
Blank Analyses	0	5	8260							\$0.00
Other: Manganese	8	4	6010B							\$32.00
										\$0.00
Air Analysis										
VOCs - Summa Canister	250	0	TO-15							\$0.00
										\$0.00
										\$0.00
Other: (Specify)										\$0.00
										\$0.00
Waste Analyses (soil/water)										
										\$0.00
										\$0.00
Miscellaneous (specify)										
										\$0.00
Charge for Mobile Lab (indicate # days and daily fee)										
Total Analytical Costs										\$2,088.00

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

Standard bailer purge sample method

Consultant Name: Alpha Terra
 Site: Shorewood Queensway Cleaners, Shorewood
 BRRTS#: 02-41-552089
 Date: September 16, 08

**DERF Site Investigation Bid Summary Sheet
 Consultant Costs.**

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Position (specify)	Hourly Rate	Hours/Task																	Total Costs		
		Workplan Development	Access	Receptor Survey	Waste Determination	Drilling Oversight	Soil Sampling	Drilling sampling	Well Development	Hydraulic Conductivity Test	Groundwater sampling	Soil gas/vapor intrusion survey	SSRCL calculations (contained but or remedial actions)	SI Report preparation	RAOR Report preparation	Project Management	Other (specify)				
																	Data evaluation/initial report	Survey Well Elevations			
Professional Staff																					\$0.00
Senior Hydro	90	3				4					8				24		12	4			\$4,950.00
Technician	65				3	4												18			\$1,625.00
	90																				\$0.00
Drafting	55														10			10			\$1,100.00
Field Staff																					\$0.00
Field Technician	65						6	12	5		32								3		\$3,770.00
																					\$0.00
Field Technician	65																				\$0.00
																					\$0.00
Office Support Staff																					\$0.00
Drafting	55	1																			\$55.00
Administrative Assist.	50	0													2						\$100.00
																					\$0.00
Drafting	55																				\$0.00
Administrative Assist.	50																				\$0.00
Total Consulting Costs		\$325	\$0	\$0	\$0	\$360	\$0	\$0	\$0	\$0	\$720	\$0	\$0	\$2,260	\$0	\$1,080	\$360	\$0	\$0	\$11,600	

Major Activity	Specifications	Commodity Unit (specify)	Unit Rate	Number of Units	Total Cost
IDW Disposal					
Drum Disposal Soil	Non-Hazardous	Drum	65	2	130
Drum Disposal - Groundwater	Non-Hazardous	Drum	120	0	0
Transport / Pickup	Non-Hazardous	trip	150	1	150
Fuel surcharge		trip	75	1	75
Equipment Rental (list and include shipping costs if applicable)					
PID		day	75	2	150
		day			0
Peristaltic Pump, WL Meter		day	61	4	244
12 V DC Pump		day	55	0	0
Multi-parameter Water Quality Meter		day	125	2	250
Datalogger/ pressure transducer		day	150	0	0
Field Supplies (list)					
WL Meter, Peristaltic, Tubing		day	75	1	75
Vapor Probe Supplies		unit	15	0	0
Expendible Field Supplies- soil sampling: Ice, Gloves, etc		each	50	3	150
Dedicated Bailers		each	25	8	200
Filters		each	20	4	80
		each			0
Surveying					
Survey Gear		day	35	1	35
Personal Protection Equipment (list)					
Sample Shipping Costs					
Other (specify)					
Total Miscellaneous Costs					\$1,539.00

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.

Fee Schedule

PROFESSIONAL CLASSIFICATION	LEVEL	HOURLY RATE
Engineers, Hydrogeologists, Geologists & Environmental Scientists	I	\$65
	II	\$75
	III	\$80
	IV	\$85
	V	\$90 - 95
Technician	I	\$60
	II	\$65 - 70
Drafter		\$55
Administrative Assistant	I	\$50

Expenses: Equipment - see Rental Equipment Form
 All other expenses at cost



TS Entry _____

Usage Date(s) _____

Client _____

Orig to client A/R _____

Sheet Total \$ _____

Activities _____

Initials _____

Project No. _____

	Unit	Cost/ Unit	# Units	Total Price	Notes
Rental Equipment					
PID	day	\$75			
Water Level Indicator	day	\$21			
12-Volt Submersible Pump	each	\$40			
Nomad Pump, multispeed, low flow	day	\$55			
Peristaltic Pump	day	\$40			
Double Diaphragm Pump, Air Operated	day	\$50			
YSI Multi-Parameter Chemistry Meter	day	\$125			
Interface Probe	day	\$70			
Hanna PH Meter	day	\$15			
Pressure Transducer & Datalogger	day	\$125			
Hand Auger	day	\$15			
Hi-Lift Jack	day	\$10			
Shop Vac	day	\$10			
SVE Pilot Test Equipment	day	\$200			
Metal Detector	day	\$47			
Survey Equipment	day	\$35			
MSA 4995 Meter	day	\$30			
MSA Escort Personal Sampling Pump	day	\$25			
Quest Audio Dosimeter	day	\$25			
Sound Level Meter	day	\$50			
Digital Camera	day	\$10			
Rental Equipment Total:					

	Unit	Cost/ Unit	# Units	Total Price	Notes
Field Supplies					
Bailer, Dedicated	each	\$25			
Bailer Rope	5 feet	\$1			
Bailer, Disposable	each	\$15			
Bentonite	bag	\$20			
Coli-wasa, Disposable	each	\$10			
Coverall, Tyvek	each	\$15			
Distilled Water, Bulk Supply	gallon	\$1			
Gloves	10 pairs	\$5.00			
Soil Sample Syringes, Plastic	each	\$2			
Tubing (poly)	2 feet	\$1			
Water Sample Filter	each	\$20			
Ziploc Bags, Bulk Supply	15 each	\$3			
Field Supplies Total:					

CLIENT REFERENCES: SITE INVESTIGATION/REMEDIATION SERVICES

<p>Mr. Don Gallo Reinhart, Boerner, Van Deuren S.C. Waukesha, WI Phone: (262) 951-4500</p>	<p>Mr. David VanderZanden Cinda Corporation Menasha, WI Phone (920) 882-5602</p>
<p>Mr. Greg Butts Realty Management Inc (Best Cleaners Site) Milwaukee, WI (414) 305-6464</p>	<p>Mr. Gary Gunderson Gunderson Cleaners (Neenah and Oshkosh Sites) 41 Main Street Menasha, WI Phone: (920) 727-4010</p>
<p>Joe and Donna LeRoy Stannard Cleaners 653 N. Main Street Oshkosh, WI 54901 Phone: (920) 235-0150</p>	<p>Ms. Susan Plater Platco, Inc. (Former OHM site in Milwaukee) 7077 Glencoe Drive Cedarburg, WI 53012 Phone: (414) 313-5926</p>
<p>Ms. Marilyn Walsh Troy Cleaners and Launderers W2626 Miley Road Sheboygan Falls, WI 53129 (920) 467-2952</p>	<p>Mr. Dave Vogl Del Monte Foods 600 N. 15th Street Rochelle, IL 61068 Phone: (815) 562-1367</p>
<p>Mr. Jere Ebbers Dutch Cleaners 231 S. Main Street Cedar Grove, WI 53013 (920) 668-8810</p>	<p>Mr. Mike Westover Product Service & Manufacturing Corporation 4530 West Burnham Street Milwaukee, WI 53219 (414) 384-6780</p>
<p>Mr. Tim Bauernfeind Hudson Drycleaning Facility Hudson, WI (763) 557-9643</p>	<p>Mr. Gary Sutherland Shell Lake Cooperative Shell Lake, WI (715) 468-2302</p>