



GILES

ENGINEERING ASSOCIATES, INC.

GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

- Atlanta, GA
- Baltimore/Wash. DC
- Dallas, TX
- Los Angeles, CA
- Milwaukee, WI
- Orlando, FL

August 16, 2011

Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King Drive
Milwaukee, WI 53212

Attention: Ms. Shanna Laube-Anderson c/o
Ms. Victoria Stovall

Subject: Request for Approval of Change in Scope (Change Order No. 2)
Martinizing Dry Cleaning Site
1730 State Street
Racine, Wisconsin
BRRTS No. 02-52-549890
FID No. 252251010
Project No. 1E-0909013

Dear Ms. Laube:

Giles Engineering Associates, Inc. (Giles) is providing this correspondence to document the change in scope associated with the Site investigation services being performed at the Martinizing Dry Cleaners (Site), located at 1730 State Street, in the City of Racine, Racine County, Wisconsin. In their letter dated April 18, 2011, the Wisconsin Department of Natural Resources (WDNR) requested that the following out of scope services be performed in association with the Site Investigation including:

- 1) Complete an assessment of sub-slab vapor conditions to determine if there is a threat of vapor intrusion from the contamination documented beneath the dry cleaner building; and,
- 2) Collect soil samples along the floor drain utility piping as it leaves the building to the east.

Proposed Scope of Services

Giles proposes the following scope of services to satisfy the WDNR's request including:

- Complete two exterior direct-push borings, collect, and submit two soil samples (one per boring) for laboratory analysis for the presence of volatile organic compounds (VOCs). One soil boring will be placed near the east building wall, and completed along the sanitary utility exiting the building to the east. A second boring will be completed along the sanitary utility on the east property line.
- Install two temporary sub-slab vapor points with a hammer drill; one vapor point will be installed in the vicinity of the former dry cleaning machine (DCM) and a second vapor point will be installed in the eastern portion of the building where coin operated wet-laundry operations currently exist.

Sub-slab vapor samples will be collected from the newly established vapor points within the building to assess the potential for vapor intrusion. A 3-foot long piece of tygon tubing with approximately 6 to 8 inches of tubing installed into each vapor point and sealed with modeling clay, and with saturated granular bentonite.

Sub-slab sampling will commence with the placement of a plastic shroud over the vapor point. The tubing will be passed through a rubber grommet-lined hole within the shroud. A tracer gas consisting of helium will be released into the shroud via a side port and the helium atmospheric % will be



Request for Approval of Change In Scope
Martinizing Dry Cleaners
Racine, Wisconsin
Project No. 1E-0909013
Page 2

measured with a helium meter until a 30 to 35% atmosphere is observed; when the 30 to 35% helium condition is observed, the side ports will be sealed and the meter will be established on a barb-fitted "T" with silicone tubing in-line with a purge pump.

Each vapor point will be purged at a rate of approximately 1 Liter per minute for five minutes with an air sampling bladder pump. The helium meter will be monitored from an in-line port during purging to verify that no breakthrough or short-circuiting has occurred with respect to the surface seal around the vapor point. Following the purging and helium screening, a laboratory supplied 6-Liter Suma canister with a 200 milliliter per minute flow regulator will be attached to the vapor point and a vapor sample will be extracted for approximately 30 minutes. The Suma canister will be submitted for analysis of VOCs by EPA Method TO-15. Upon completion of the sample collection, the sampling point will be backfilled with lean mix concrete.

Cost

The cost to complete the tasks associated with Change Order's No. 2 are \$6,215; a detailed cost summary is included in the attached Table 1.

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

Please contact the undersigned with any questions.

Very truly yours,

GILES ENGINEERING ASSOCIATES, INC.

Kevin T. Bugel, P.G., C.P.G.
Environmental Division Manager

Thomas J. Bauman, P.G.
Project Hydrogeologist

Attachments: Table 1; Budget Summary (Change Order #2)

Distribution: Wisconsin Department of Natural Resources
Attn: Ms. Shanna Laube Anderson (1) c/o
Ms. Victoria Stovall
BMP Realty
Attn: Mr. Doug Berry (1)

**TABLE 1
PROPOSED SCHEDULE OF FEES
CHANGE ORDER NO. 2 - MARTINIZING DRY CLEANING
RACINE, WISCONSIN**

Phase No.	Description	CONSULTANT FEES			SUBCONTRACTOR FEES	Budget
		Labor	Expenses	Equipment		
TASK 01:	SAMPLING PLAN PREPARATION	\$650	\$0	\$0	\$0	\$650
TASK 02:	DIRECT-PUSH SOIL SAMPLING	\$810	\$54	\$104	\$820	\$1,788
TASK 03:	SUB-SLAB VAPOR SAMPLING	\$1,230	\$0	\$753	\$550	\$2,533
TASK 04:	LETTER REPORT PREPARATION	\$1,245	\$0	\$0	\$0	\$1,245
Fee Estimate		\$3,935	\$54	\$856	\$1,370	\$6,215

**TABLE 1
PROPOSED SCHEDULE OF FEES
CHANGE ORDER NO. 2 - MARTINIZING DRY CLEANING
RACINE, WISCONSIN**

SUBCONTRACTOR FEES DETAIL		SUBCONTRACTOR FEES	Budget
TASK 01:	SAMPLING PLAN PREPARATION	\$0	\$0
TASK 02:	DIRECT-PUSH SOIL SAMPLING	\$820	\$820
	Laboratory Subcontractor Costs	\$140	
	Direct-push Subcontractor Costs	\$680	
TASK 03:	SUB-SLAB VAPOR SAMPLING	\$550	\$550
	Laboratory Subcontractor Costs	\$550	
TASK 04:	LETTER REPORT PREPARATION	\$0	\$0
TOTALS:			\$1,370

BUDGET WORKSHEET

PROJECT NAME: CHANGE ORDER NO. 2 - MARTINIZING DRY CLEANING

CITY, STATE: RACINE, WISCONSIN

PROJECT NO: 0

TASK 01: SAMPLING PLAN PREPARATION		\$650.00		
GILES LABOR	Units	Unit Rate	Quantity	Price
REGIONAL MANAGER	hr.	\$120.00		\$0.00
DIVISION MANAGER	hr.	\$120.00	4	\$480.00
SENIOR PM	hr.	\$110.00		\$0.00
PROJECT PM II	hr.	\$100.00		\$0.00
PROJECT PM I	hr.	\$95.00		\$0.00
STAFF ENV SCIENTIST I / II	hr.	\$85.00	2	\$170.00
STAFF GEOLOGIST II / I	hr.	\$75.00		\$0.00
ENV SPECIALIST I / II	hr.	\$65.00		\$0.00
CAD OPERATOR	hr.	\$55.00		\$0.00
WORD-PROCESSING	hr.	\$45.00		\$0.00
GILES LABOR COST TOTAL				\$650.00

BUDGET WORKSHEET

PROJECT NAME: CHANGE ORDER NO. 2 - MARTINIZING DRY CLEANING

CITY, STATE: RACINE, WISCONSIN

PROJECT NO: 0

TASK 02: DIRECT-PUSH SOIL SAMPLING		\$1,787.50		
GILES LABOR	Units	Unit Rate	Quantity	Price
REGIONAL MANAGER	hr.	\$120.00		\$0.00
DIVISION MANAGER	hr.	\$120.00	1	\$120.00
SENIOR PM	hr.	\$110.00		\$0.00
PROJECT PM II	hr.	\$100.00		\$0.00
PROJECT PM I	hr.	\$95.00		\$0.00
STAFF ENV SCIENTIST I / II	hr.	\$85.00	2	\$170.00
STAFF GEOLOGIST II / I	hr.	\$75.00		\$0.00
ENV SPECIALIST I / II	hr.	\$65.00	8	\$520.00
CAD OPERATOR	hr.	\$55.00		\$0.00
WORD-PROCESSING	hr.	\$45.00		\$0.00
GILES LABOR COST TOTAL				\$810.00

GILES EMPLOYEE EXPENSES	Units	Unit Rate	Quantity	Price
Mileage-Giles Vehicle	mi.	\$0.60	90	\$54.00
GILES EMPLOYEE EXPENSES COST TOTAL				\$54.00

GILES EQUIPMENT	Units	Unit Rate	Quantity	Price
Survey Equipment	day	\$41	1	\$41.00
PID	day	\$75	0.5	\$37.50
Electronic Scale	day	\$25	1	\$25.00
GILES EQUIPMENT COST TOTAL				\$103.50

LABORATORY SUBCONTRACTOR COSTS	Units	Unit Rate	Quantity	Price
Synergy Labs, Inc.				
Soil Laboratory Analytical Methods				
VOCs 8260		\$70.00	2	\$140.00
Subtotal Soil Analytical Cost				\$140.00
LABORATORY SUBCONTRACTOR COST TOTAL				\$140.00

GEOPROBE SUBCONTRACTOR COSTS	Units	Unit Rate	Quantity	Price
Giles Drilling Division				
Mobilization/Demobilization	LS	\$200.00	1	\$200.00
0 to 20 feet	ft	\$8.50	30	\$255.00
20 to 40 feet	ft	\$9.50		\$0.00
Decon	ea	\$150.00	1	\$150.00
Temp Wells	ft	\$6.50		\$0.00
Expendables	LS			\$0.00
Borehole Abandonment	ft	\$2.50	30	\$75.00
Per diem	LS	\$150.00		\$0.00
OPTIONAL LUMP SUM DAILY Geoprobe Services	LS	\$1,500.00		\$0.00
GEOPROBE SUBCONTRACTOR COST TOTAL				\$680.00

BUDGET WORKSHEET

PROJECT NAME: CHANGE ORDER NO. 2 - MARTINIZING DRY CLEANING

CITY, STATE: RACINE, WISCONSIN

PROJECT NO: 0

TASK 03: SUB-SLAB VAPOR SAMPLING		\$2,532.50		
GILES LABOR	Units	Unit Rate	Quantity	Price
REGIONAL MANAGER	hr.	\$120.00		\$0.00
DIVISION MANAGER	hr.	\$120.00	2	\$240.00
SENIOR PM	hr.	\$110.00		\$0.00
PROJECT PM II	hr.	\$100.00		\$0.00
PROJECT PM I	hr.	\$95.00		\$0.00
STAFF ENV SCIENTIST I / II	hr.	\$85.00	4	\$340.00
STAFF GEOLOGIST II / I	hr.	\$75.00		\$0.00
ENV SPECIALIST I / II	hr.	\$65.00	10	\$650.00
CAD OPERATOR	hr.	\$55.00		\$0.00
WORD-PROCESSING	hr.	\$45.00		\$0.00
GILES LABOR COST TOTAL				\$1,230.00

GILES EQUIPMENT	Units	Unit Rate	Quantity	Price
PID	day	\$75	0.5	\$37.50
Air Sampling Pump	day	\$40	1	\$40.00
Helium Meter	ea	\$200	1	\$200.00
Helium Tracer Gas Kit	ea	\$400	1	\$400.00
Hammer Drill	ea	\$75	1	\$75.00
GILES EQUIPMENT COST TOTAL				\$752.50

LABORATORY SUBCONTRACTOR COSTS	Units	Unit Rate	Quantity	Price
Synergy Labs, Inc.				
Soil Laboratory Analytical Methods				
VOCs (Summa Canisters) TO-15	ea	\$275.00	2	\$550.00
LABORATORY SUBCONTRACTOR COST TOTAL				\$550.00

BUDGET WORKSHEET

PROJECT NAME: CHANGE ORDER NO. 2 - MARTINIZING DRY CLEANING

CITY, STATE: RACINE, WISCONSIN

PROJECT NO: 0

TASK 04:		LETTER REPORT PREPARATION			\$1,245.00
GILES LABOR		Units	Unit Rate	Quantity	Price
REGIONAL MANAGER	hr.	\$120.00			\$0.00
DIVISION MANAGER	hr.	\$120.00		2	\$240.00
SENIOR PM	hr.	\$110.00			\$0.00
PROJECT PM II	hr.	\$100.00			\$0.00
PROJECT PM I	hr.	\$95.00			\$0.00
STAFF ENV SCIENTIST I / II	hr.	\$85.00		10	\$850.00
STAFF GEOLOGIST II / I	hr.	\$75.00			\$0.00
ENV SPECIALIST I / II	hr.	\$65.00			\$0.00
CAD OPERATOR	hr.	\$55.00		2	\$110.00
WORD-PROCESSING	hr.	\$45.00		1	\$45.00
GILES LABOR COST TOTAL					\$1,245.00