

October 10, 2016

Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2984 Shawano Avenue
P.O. Box 10448
Green Bay, Wisconsin 54307-0448

Attn: Tauren R. Beggs

RE: WDNR BRRTS No. 02-36-544383
Change Order for Soil, Groundwater, Soil Gas Sample Collection, and
Case Closure Document Submittal
United Laundries and Dry Cleaners, Inc. 623 Reed Avenue, Manitowoc, Wisconsin

Dear Mr. Beggs:

Enclosed is our proposed scope of work and estimated costs for additional post-remediation monitoring at the United Dry Cleaners site. Estimated costs are summarized in Table 1.

The scope of work has been prepared in accordance with the Wisconsin Department of Natural Resources Case Closure Denial letter dated August 11th, 2016 and includes the following tasks:

- Additional groundwater sample collection at MW-10;
- Additional soil sample collection to define the extent of soil contamination;
- SVE confirmation soil and soil gas sample collection;
- Operation and Maintenance Plan preparation; and
- Resubmittal of Case Closure documents.

SCOPE OF WORK

Task 1 – Groundwater Sample Collection

Shannon & Wilson will collect one groundwater sample from well MW-10. This sample will be submitted to a Wisconsin Certified laboratory and analyzed for volatile organic compounds (VOCs) by Method 8260. Results will be presented in a summary report. If PCE concentrations continue to decline and indicate that the plume is stable (i.e. demonstrate compliance with Wisconsin Administrative Code NR 726 closure criteria) Shannon & Wilson will recommend abandonment of all wells to be completed concurrent with soil sample collected as described in Tasks 2 and 3 below. Results will also be used to prepare revised off-site notification letters as described in Task 4 below.

Task 2 – Soil Boring and Soil Sample Collection

Shannon & Wilson will collect soil samples from five soil borings advanced north-northeast, south, southeast, and east of the excavation area to further identify the lateral and vertical extent of soil contamination. Proposed borings are shown on Figure 1.

At each boring soil samples will be collected continuously to a maximum depth of 15 feet below ground surface. Soil samples will be collected at intervals 3 to 5, 8 to 10, and 13 to 15 feet below grade. All samples will be analyzed for VOCs by a Wisconsin certified laboratory. Subsurface soil units will be visually classified in accordance with the Unified Soil Classification system. Soil descriptions and other field observations will be recorded on field logs. Tabulated results and revised site maps will be included in the revised Case Closure submittal described below.

Task 3 – Soil Vapor Extraction System Termination Confirmation Sampling

Effluent air samples were collected quarterly while the soil vapor extraction (SVE) system was in operation. Results indicated a significant contaminant mass was removed. Operation of the three sub-floor depressurization systems (SSDS) likely contributed additional contaminant mass removal. To further evaluate the effectiveness of the SVE and SSDS Shannon & Wilson recommends collection of soil gas samples from sub-floor vapor probes (VP-1 through VP-4) at the United Dry Cleaners and Piggly Wiggly buildings. In accordance with procedures for soil gas sampling at the Parkview Haven property, soil gas samples will be collected after the SSDS system has been off for a minimum of 30 days (the SVE system was shut off in January 2015). Soil gas samples will be collected with 6-liter Summa canisters equipped with a laboratory-provided flow controller and particulate filter. These air samples will be analyzed for chlorinated VOCs (cis-1,2-dichloroethene, trans 1,2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride) using EPA Method TO-15 by a Wisconsin Certified laboratory.

To further evaluate residual soil contamination, Shannon & Wilson recommends the collection of additional three soil samples as follows:

- Beneath the United Dry Cleaners building adjacent to borings A3 and A4. Soil samples will be collected at both borings at depths between 3 and 5 feet below grade;
- From the base of the excavation (between 13 and 14 feet below grade) adjacent to VE-1¹, and
- From the base of the excavation (between 12 and 13 feet below grade) near the BS-1 sample.

All soil samples will be submitted to a Wisconsin Certified laboratory and analyzed for VOCs by Method 8260. Soil gas and soil sample results will be summarized and submitted to WDNR in a status report. If results confirm conditions are suitable for closure, a revised case closure document will be submitted as described in Task 4 below.

¹ Verification soil sample BS-2 was collected from the VE-1 borings between 13.5 and 14 feet below grade.

Ms. Tauren R. Beggs
Wisconsin Department of Natural Resources
October 10, 2016
Page 3 of 4

SHANNON & WILSON, INC.

Task 4 – Revised Case Closure Document Submittal

Revised Case Closure documents will be submitted to WDNR following submittal of the following:

- Preparation of Operation and Maintenance plans for each of the three vapor mitigation blowers installed as an interim response at the United Dry Cleaners and Piggly Wiggly buildings;
- Preparation of well abandonment documents;
- Re-submittal of off-site notification letters and case closure documents.

SCHEDULE

Shannon & Wilson is prepared to collect the MW-10 groundwater sample and soil gas samples VP-1 through VP-4 in November. A status report summarizing results will be submitted to WDNR within two weeks of sample collection. Assuming well abandonment is approved by WDNR, well abandonment will be completed concurrent with additional soil sample collection (Tasks 2 and 3). Operation and Maintenance plans will be submitted to WDNR for review prior to submittal of revised case closure documents.

If you have any questions please call me at (608) 442-5223, extension 8157.

Sincerely,

SHANNON & WILSON, INC.



Mark S. McColloch, P.G.
Senior Associate

Mark S.
McColloch

Digitally signed by Mark S.
McColloch
DN: cn=Mark S. McColloch,
o=Shannon & Wilson, ou=Madison,
email=msm@shanwil.com, c=US
Date: 2016.10.10 16:28:52 -05'00'

cc: Mr. Steven Hamann, Zenith Properties, LLC

Attachments

Table 1	Estimated Costs
Figures 1	Proposed Soil Confirmation Borings (0 - 5 feet)
Figures 2	Proposed Soil Confirmation Borings (8 - 10 feet)
Figures 3	Proposed Soil Confirmation Borings (13 - 15 feet)

United_Oct_10_2016_Change_Order_Ltr

Table 1
Estimated Costs
Change Order for Soil, Groundwater, Soil Gas Sample Collection, and
Case Closure Document Submittal
United Laundries and Dry Cleaners, Inc., 623 Reed Avenue, Manitowoc, Wisconsin

Description	Quantity	Units	Unit Cost	Shannon & Wilson Cost	Subcontractor Cost
Task 1 – Groundwater Sample Collection					
Field Manager (Groundwater and Soil Gas)	8	Per Hour	\$100	\$800	
Project Manager/Status Report Preparation	4	Per Hour	\$125	\$500	
Groundwater/Soil Gas Sampling Expenses	1	Per Day	\$150	\$150	
Laboratory Services (Groundwater)	1	Per Sample	\$65		\$65
Subtotal				\$1,450	\$65
Task 2 & 3 – Soil Boring Soil Sample Collection & SVE Termination Confirmation Sampling					
Field Manager (Soil Borings)	10	Per Hour	\$100	\$1,000	
Soil Sampling Expenses	1	Per Day	\$150	\$150	
Laboratory Services (Vapor Probes)	4	Per Sample	\$220		\$880
Laboratory Services (Soil)	20	Per Sample	\$65		\$1,300
Drilling Services (Soil Borings)	1	Estimate	\$2,280		\$2,280
Subtotal				\$1,150	\$4,460
Task 4 – Revised Case Closure Documentation Submittal					
Project Coordinator	2	Per Hour	\$135	\$270	
Project Manager – Case Closure Document Preparation	24	Per Hour	\$125	\$3,000	
Technical Illustrations	2	Per Hour	\$100	\$200	
Admin/Accounting	4	Per Hour	\$65	\$260	
Expenses	1	Estimate	\$100	\$100	\$0
Subtotal				\$3,830	\$0
Total				\$6,430	\$4,525
				\$10,955	



MW-3

MW-2

SB-1

UNITED CLEANERS & LAUNDRIES

Former DMV

SB-2

PIGGLY WIGGLY

<25

X1

SW-1

123

<25

B1

<25

C1

<25

62

D2

32

E2

<25

E3

510

D3

<25

E4

100 ug/kg

640

D4

<25

E4

260

D5

73

D6

1,000

A3

10,000

A4

A5

A6

A6

Y2

210

A3

A4

A5

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

A6

MW-1

C5

240

C5

57

B7

<25

B8

54

C7

96

C8

32

B9

53

B5

92

B6

73

D6

100 ug/kg

1,000

10,000

100 ug/kg

1,000

10,000

SB-3

MW-5

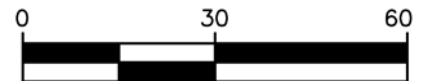
SB-4

SB-5

PARKVIEW HAVEN APARTMENTS

LEGEND

- SB-1 PROPOSED SOIL BORING (Sample interval 8-10')
- A1 SOIL BORING (2010-2011)
- 490 PCE SOIL CONCENTRATION (ug/kg)
- PCE SOIL ISOCONTOUR (ug/kg)
- MW-1 MONITORING WELL
- EXCAVATED (2013)
- SW-1 EXCAVATION SIDE WALL SAMPLE



SCALE: 1" = 30'

UNITED DRY CLEANERS
623 REED AVENUE
MANITOWOC, WISCONSIN

Figure 2
PROPOSED SOIL CONFIRMATION SAMPLING & RESIDUAL SOIL CONTAMINATION (5-10 FEET)

FILE: 37409 United Dry Cleaners\Drafting\UDC-Site-2016.dwg [Fig 2 - Proposed]

DRAWN BY: DDZ, DAN
DATE: 10/7/2016



SOURCES: MANITOWOC COUNTY/CITY GIS, 2010 AERIAL PHOTOGRAPH, TERRACON (2006).



MW-3

MW-2

SB-1

UNITED CLEANERS & LAUNDRIES

Former DMV

SB-2

PIGGLY WIGGLY

<25

X1

X2

40

A2

100

200

A3

A4

A5

59

74

B5

63

60

78

26

46

72

47

100

82

480

280

34

46

<25

62

32

100 ug/kg

MW-1

SB-3

MW-5

SB-4

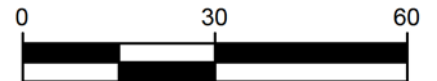
SB-5

PARKVIEW HAVEN APARTMENTS

LEGEND

- SB-1 PROPOSED SOIL BORING (Sample interval 13-15')
- BS-1 PROPOSED SOIL BORING for SVE confirmation (Sample intervals: BS-1: 12.5-13'
BS-2: 13.5-14'
BS-3: 15')
- A1 SOIL BORING (2010-2011)
- 490 PCE SOIL CONCENTRATION (ug/kg)
- PCE SOIL ISOCONTOUR (ug/kg)
- MW-1 MONITORING WELL
- EXCAVATED (2013)
- SW-1 EXCAVATION SIDE WALL SAMPLE
- BS-1 EXCAVATION BOTTOM SAMPLE

SOURCES: MANITOWOC COUNTY/CITY GIS, 2010 AERIAL PHOTOGRAPH, TERRACON (2006).



SCALE: 1" = 30'

UNITED DRY CLEANERS
623 REED AVENUE
MANITOWOC, WISCONSIN

Figure 3
PROPOSED SOIL CONFIRMATION BORINGS & RESIDUAL SOIL CONTAMINATION (10-15 FEET)

FILE: 37409 United Dry Cleaners\Drafting\UDC-Site-2016.dwg [Fig 3 - Proposed]

DRAWN BY: DDZ, DAN
DATE: 10/7/2016

SHANNON & WILSON, INC.
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS

SUBMITTED LATER IN 10/17/16 EMAIL CORRESPONDENCE
-NOTE BY DNR PM TAUREN BEGGS

Site Name: United Laundries and Dry Cleaners
 BRRTS #: 02-36-544383
 Type of Action: Remedial Action

Remediation Cost 1
(previously c

TASKS	BUDGET			INVOICES													
	Bid / Budgeted Amount	INSEERT Total Approved Budget	Previous Claims (If applicable)	Shannon & Wilson Inv #28827 11/6/2013	Shannon & Wilson Inv #28884 12/11/2013	Shannon & Wilson Inv #28945 1/13/2014	Shannon & Wilson Inv #28991 2/5/2014	Shannon & Wilson Inv #29051 3/6/2014	Shannon & Wilson Inv #29079 4/8/2014	Shannon & Wilson Inv #29164 5/7/2014	Shannon & Wilson Inv #29251 6/10/2014	Shannon & Wilson Inv #29349 8/4/2014	Shannon & Wilson Inv #29463 9/10/2014	Shannon & Wilson Inv #29526 10/7/2014	Shannon & Wilson Inv #29539 11/4/2014	Shannon & Wilson Inv #29662 12/10/2014	Shannon & Wilson Inv #29683 1/6/2015
Consultant Costs																	
Task 1 - Work Plan Preparation	\$ 2,800.00	\$ 2,800.00	\$ 2,634.50	\$ 2,634.50													
Task 2 - Soil Excavation	\$ 9,400.00	\$ 9,400.00	\$ 8,389.50	\$ 2,750.00	\$ 5,577.00	\$ 62.50											
Task 2 - Soil Excavation (Expenses)	\$ 1,200.00	\$ 1,200.00	\$ 137.57		\$ 137.57												
Task 3 - Soil Vapor Extraction System	\$ 4,000.00	\$ 4,000.00	\$ 4,052.00		\$ 2,787.50	\$ 1,264.50											
Task 3 - Soil Vapor Extraction System (Expenses)	\$ 450.00	\$ 450.00	\$ -														
Task 4 - Construction Documentation Report	\$ 4,610.00	\$ 4,610.00	\$ 4,630.00			\$ 4,190.00	\$ 440.00										
Task 5 - Vapor Probe Sampling	\$ 400.00	\$ 400.00	\$ 400.00		\$ 200.00			\$ 200.00									
Task 6 - Groundwater Monitoring	\$ 4,000.00	\$ 4,000.00	\$ 4,000.00		\$ 1,000.00			\$ 1,000.00		\$ 1,000.00		\$ 1,000.00					
Task 6 - Groundwater / Air Monitoring (Expenses)	\$ 600.00	\$ 600.00	\$ 84.56			\$ 25.63		\$ 47.03								\$ 11.90	
Task 7 - Annual Report	\$ 4,800.00	\$ 4,800.00	\$ 5,073.50					\$ 239.50	\$ 489.50	\$ 114.50	\$ 177.00	\$ 114.50	\$ 52.00	\$ 2,114.50	\$ 1,772.00		
Groundwater Monitoring (second and third years)	\$ 6,000.00	\$ 6,000.00	\$ 1,000.00														\$ 1,000.00
Well Installation	\$ 1,000.00	\$ 1,000.00	\$ -														
Groundwater Monitoring (fourth)	\$ 400.00	\$ -	\$ -														
Groundwater Monitoring Expenses (year 2 and 3)	\$ 1,050.00	\$ 1,050.00	\$ -														
Groundwater Monitoring Expenses (fourth year)	\$ 150.00	\$ -	\$ -														
Vapor Probe Sampling (second and third years)	\$ 2,400.00	\$ 2,400.00	\$ -														
Vapor Probe Sampling (fourth year)	\$ 400.00	\$ -	\$ -														
Soil Borings (fourth year)	\$ 1,000.00	\$ -	\$ -														
Soil Boring Expenses (fourth year)	\$ 150.00	\$ -	\$ -														
Report and Project Management (year 2 and 3)	\$ 7,490.00	\$ 7,490.00	\$ 291.50														
Case Closure	\$ 3,000.00	\$ 3,000.00	\$ -													\$ 239.50	\$ 52.00
Report and Project Management (year4)	\$ 1,330.00	\$ -	\$ -														
Revised Case Closure	\$ 3,000.00	\$ -	\$ -														
Well Abandonment	\$ 2,000.00	\$ 2,000.00	\$ -														
Consultant Cost Total	\$ 67,630.00	\$ 65,200.00	\$ 30,693.13														
Sub-Contractor Costs																	

Site Name: United Laundries and Dry Cleaners
 BRRTS #: 02-36-544383
 Type of Action: Remedial Action

Remediation Cost 1
(previously c

TASKS	BUDGET			INVOICES													
	Bid / Budgeted Amount	INSEERT Total Approved Budget	Previous Claims (If applicable)	Shannon & Wilson Inv #28827 11/6/2013	Shannon & Wilson Inv #28884 12/11/2013	Shannon & Wilson Inv #28945 1/13/2014	Shannon & Wilson Inv #28991 2/5/2014	Shannon & Wilson Inv #29051 3/6/2014	Shannon & Wilson Inv #29079 4/8/2014	Shannon & Wilson Inv #29164 5/7/2014	Shannon & Wilson Inv #29251 6/10/2014	Shannon & Wilson Inv #29349 8/4/2014	Shannon & Wilson Inv #29463 9/10/2014	Shannon & Wilson Inv #29526 10/7/2014	Shannon & Wilson Inv #29539 11/4/2014	Shannon & Wilson Inv #29662 12/10/2014	Shannon & Wilson Inv #29683 1/6/2015
Task 2 - Soil Excavation																	
Pace - Verification Soil Samples	\$ 975.00	\$ 975.00	\$ 900.00		\$ 900.00												
Veolia - Mobilization	\$ 6,740.00	\$ 6,740.00	\$ 6,739.57		\$ 6,739.57												
Veolia - Asphalt Removal	\$ 2,888.00	\$ 2,888.00	\$ 2,888.00		\$ 2,888.00												
WPS - Gas line removal / temp service	\$ 4,000.00	\$ 4,000.00	\$ 1,021.46	\$ 1,021.46													
MPU - Power pole removal / temp service	\$ 4,000.00	\$ 4,000.00	\$ 3,565.41	\$ 3,295.49		\$ 279.92											
Veolia - Excavation	\$ 6,875.00	\$ 6,875.00	\$ 5,249.20		\$ 5,249.20												
Veolia - Transportation	\$ 24,000.00	\$ 24,000.00	\$ 18,657.24		\$ 17,637.24	\$ 1,020.00											
Advanced Disposal - soil disposal	\$ 62,000.00	\$ 62,000.00	\$ 39,723.26		\$ 39,635.57	\$ 87.69											
Veolia - linear pipe installation	\$ 1,600.00	\$ 1,600.00	\$ 1,493.79		\$ 1,493.79												
Veolia - Backfill	\$ 25,260.00	\$ 25,260.00	\$ 18,524.17		\$ 18,524.17												
Veolia - Surface Barrier (Asphalt Pavement)	\$ 12,350.00	\$ 12,350.00	\$ 15,826.96		\$ 15,826.96												
Task 3 - Soil Vapor Extraction System																	
Badger State Drilling - Well Installation	\$ 7,000.00	\$ 7,000.00	\$ 6,825.00		\$ 6,825.00												
Badger State Drilling - Drums for soil cuttings	\$ 600.00	\$ 600.00	\$ 600.00		\$ 600.00												
SVE Building	\$ 2,000.00	\$ 2,000.00	\$ 2,500.00		\$ 2,500.00												
SES-SVE Equipment	\$ 8,550.00	\$ 8,550.00	\$ 8,550.00	\$ 7,790.00													
SVE - Blower Installation	\$ 1,250.00	\$ 1,250.00	\$ 1,300.00		\$ 1,300.00												
Franz Elec - SVE blower electrical	\$ 5,000.00	\$ 5,000.00	\$ 3,371.00		\$ 3,371.00												
Pace - SVE effluent samples	\$ 836.00	\$ 836.00	\$ 1,062.00			\$ 190.00				\$ 436.00			\$ 218.00				
Pace - SVE effluent samples (years 2 and 3)	\$ 218.00	\$ 218.00	\$ 218.00														
Electric - MPU	\$ 6,000.00	\$ 6,000.00	\$ 7,624.68			\$ 1,294.12	\$ 799.52	\$ 777.30	\$ 1,854.12	\$ 770.51	\$ 1,453.61		\$ 904.90			\$ 218.00	
Electric - MPU (second year)	\$ 2,925.00	\$ 2,925.00	\$ 1,629.18													\$ 1,629.18	
SVE system expenses	\$ 1,200.00	\$ 1,200.00	\$ -														
Task 5 - Vapor Probe Sampling																	
Pace - vapor probe samples	\$ 1,254.00	\$ 1,254.00	\$ 1,226.00		\$ 654.00			\$ 572.00									
Pace - vapor probe samples (year 2 and 3)	\$ 5,014.00	\$ 5,014.00	\$ -														
Pace - vapor probe samples (year 4)	\$ 880.00	\$ 880.00	\$ -														
Task 6 - Groundwater Monitoring																	
Pace - Groundwater Samples	\$ 2,600.00	\$ 2,600.00	\$ 2,220.00		\$ 600.00			\$ 420.00			\$ 600.00		\$ 600.00				
Pace - Groundwater Samples (year 2 and 3)	\$ 4,030.00	\$ 4,030.00	\$ 3,660.00														\$ 600.00
Pace - Soil and Groundwater Samples	\$ 1,365.00	\$ 1,365.00	\$ -														
Well Installation	\$ 2,550.00	\$ 2,550.00	\$ -														
Soil Borings - Drilling Services	\$ 2,280.00	\$ 2,280.00	\$ -														
Well Abandonment	\$ 3,500.00	\$ 3,500.00	\$ -														
<i>Sub-Contractor Cost Total</i>	\$ 209,740.00	\$ 205,215.00	\$ 155,374.94														
DERF ELIGIBLE SUB-TOTALS	\$ 271,370.00	\$ 260,415.00	\$ 188,068.07	\$ 17,451.45	\$ 131,211.59	\$ 11,173.24	\$ 440.00	\$ 3,170.85	\$ 2,051.02	\$ 892.40	\$ 3,867.12	\$ 885.01	\$ 3,323.61	\$ 2,114.50	\$ 2,888.80	\$ 2,868.68	\$ 870.00
Non-DERF Eligible Expenses																	
Task 2 - Soil Remediation (Expenses)			\$ 907.50		\$ 907.50												
Task 3 - Soil Vapor Extraction System (Expenses)			\$ 583.69		\$ 425.49	\$ 158.20											
Task 5 - Groundwater Monitoring (Expenses)			\$ 455.81				\$ 128.04		\$ 103.07		\$ 118.47		\$ 106.23				
<i>Non-DERF Cost Total</i>			\$ 1,947.00		\$ 1,332.99	\$ 158.20	\$ 128.04	\$ -	\$ 103.07	\$ -	\$ 118.47	\$ -	\$ -	\$ 106.23	\$ -	\$ -	
INVOICE GRAND TOTAL			\$ 188,015.07	\$ 17,451.45	\$ 132,544.58	\$ 11,331.44	\$ 440.00	\$ 3,298.69	\$ 2,051.02	\$ 892.40	\$ 3,970.19	\$ 885.01	\$ 3,442.08	\$ 2,114.50	\$ 2,888.80	\$ 2,974.91	\$ 870.00

Check Numbers

Site Name: United Laundries and Dry Cleaners
 BRRTS #: 02-36-544383 for 2013, 2014, 2015, and 2016
 Type of Action: Remedial Action (claimed cost shown in blue)

TASKS	BUDGET			Shannon & Wilson Inv														Total Invoiced Costs
	Bid / Budgeted Amount	INSEERT Total Approved Budget	Previous Claims (If applicable)	#29775 2/11/2015	#29821 3/11/2015	#29866 4/7/2015	#29965 5/7/2015	#29989 6/10/2015	#30232 9/9/2015	#30281 10/6/2015	#30381 11/6/2015	#30448 12/10/2015	#30490 1/6/2016	#30637 3/9/2016	#30673 4/5/2016	#30787 5/10/2016	#30925 7/7/2017	
Consultant Costs																		
Task 1 - Work Plan Preparation	\$ 2,800.00	\$ 2,800.00	\$ 2,634.50															
Task 2 - Soil Excavation	\$ 9,400.00	\$ 9,400.00	\$ 8,389.50															
Task 2 - Soil Excavation (Expenses)	\$ 1,200.00	\$ 1,200.00	\$ 137.57															
Task 3 - Soil Vapor Extraction System	\$ 4,000.00	\$ 4,000.00	\$ 4,052.00															
Task 3 - Soil Vapor Extraction System (Expenses)	\$ 450.00	\$ 450.00	\$ -															
Task 4 - Construction Documentation Report	\$ 4,610.00	\$ 4,610.00	\$ 4,630.00															
Task 5 - Vapor Probe Sampling	\$ 400.00	\$ 400.00	\$ 400.00															
Task 6 - Groundwater Monitoring	\$ 4,000.00	\$ 4,000.00	\$ 4,000.00															
Task 6 - Groundwater / Air Monitoring (Expenses)	\$ 600.00	\$ 600.00	\$ 84.56															
Task 7 - Annual Report	\$ 4,800.00	\$ 4,800.00	\$ 5,073.50															
Groundwater Monitoring (second and third years)	\$ 6,000.00	\$ 6,000.00	\$ 1,000.00		\$ 1,000.00			\$ 1,000.00		\$ 1,000.00		\$ 1,000.00		\$ 1,000.00				\$ 5,000.00
Well Installation	\$ 1,000.00	\$ 1,000.00	\$ -								\$ 1,000.00							\$ 1,000.00
Groundwater Monitoring (fourth)	\$ 400.00	\$ -	\$ -															\$ -
Groundwater Monitoring Expenses (year 2 and 3)	\$ 1,050.00	\$ 1,050.00	\$ -	\$ 11.84						\$ 56.31					\$ 31.44			\$ 100.19
Groundwater Monitoring Expenses (fourth year)	\$ 150.00	\$ -	\$ -															\$ -
Vapor Probe Sampling (second and third years)	\$ 2,400.00	\$ 2,400.00	\$ -		\$ 1,200.00					\$ 600.00				\$ 600.00				\$ 2,400.00
Vapor Probe Sampling (fourth year)	\$ 400.00	\$ -	\$ -															\$ -
Soil Borings (fourth year)	\$ 1,000.00	\$ -	\$ -															\$ -
Soil Boring Expenses (fourth year)	\$ 150.00	\$ -	\$ -															\$ -
Report and Project Management (year 2 and 3)	\$ 7,490.00	\$ 7,490.00	\$ 291.50	\$ 302.00	\$ 177.00	\$ 489.50	\$ 177.00	\$ 744.50	\$ 239.50	\$ 427.30	\$ 302.00	\$ 52.00	\$ 52.00	\$ 52.00	\$ 4,542.00	\$ 177.00	\$ 52.00	\$ 7,785.50
Case Closure	\$ 3,000.00	\$ 3,000.00	\$ -													\$ 1,000.00	\$ 2,850.00	\$ 3,850.00
Report and Project Management (year4)	\$ 1,330.00	\$ -	\$ -															\$ -
Revised Case Closure	\$ 3,000.00	\$ -	\$ -															\$ -
Well Abandonment	\$ 2,000.00	\$ 2,000.00	\$ -															\$ -
Consultant Cost Total	\$ 67,630.00	\$ 65,200.00	\$ 30,693.13															\$ 20,135.69
Sub-Contractor Costs																		

Site Name: United Laundries and Dry Cleaners
 BRRTS #: 02-36-544383 for 2013, 2014, 2015, and 2016
 Type of Action: Remedial Action (claimed cost shown in blue)

TASKS	BUDGET			Shannon & Wilson Inv														INSEERT	Total Invoiced Costs		
	Bid / Budgeted Amount	Total Approved Budget	Previous Claims (If applicable)	#29775 2/11/2015	#29821 3/11/2015	#29866 4/7/2015	#29965 5/7/2015	#29989 6/10/2015	#30232 9/9/2015	#30281 10/6/2015	#30381 11/6/2015	#30448 12/10/2015	#30490 1/6/2016	#30637 3/9/2016	#30673 4/5/2016	#30787 5/10/2016	#30925 7/7/2017				
Task 2 - Soil Excavation																					
Pace - Verification Soil Samples	\$ 975.00	\$ 975.00	\$ 900.00																		\$ -
Veolia - Mobilization	\$ 6,740.00	\$ 6,740.00	\$ 6,739.57																		\$ -
Veolia - Asphalt Removal	\$ 2,888.00	\$ 2,888.00	\$ 2,888.00																		\$ -
WPS - Gas line removal / temp service	\$ 4,000.00	\$ 4,000.00	\$ 1,021.46																		\$ -
MPU - Power pole removal / temp service	\$ 4,000.00	\$ 4,000.00	\$ 3,565.41																		\$ -
Veolia - Excavation	\$ 6,875.00	\$ 6,875.00	\$ 5,249.20																		\$ -
Veolia - Transportation	\$ 24,000.00	\$ 24,000.00	\$ 18,657.24																		\$ -
Advanced Disposal - soil disposal	\$ 62,000.00	\$ 62,000.00	\$ 39,723.26																		\$ -
Veolia - linear pipe installation	\$ 1,600.00	\$ 1,600.00	\$ 1,493.79																		\$ -
Veolia - Backfill	\$ 25,260.00	\$ 25,260.00	\$ 18,524.17																		\$ -
Veolia - Surface Barrier (Asphalt Pavement)	\$ 12,350.00	\$ 12,350.00	\$ 15,826.96																		\$ -
Task 3 - Soil Vapor Extraction System																					
Badger State Drilling - Well Installation	\$ 7,000.00	\$ 7,000.00	\$ 6,825.00																		\$ -
Badger State Drilling - Drums for soil cuttings	\$ 600.00	\$ 600.00	\$ 600.00																		\$ -
SVE Building	\$ 2,000.00	\$ 2,000.00	\$ 2,500.00																		\$ -
SES-SVE Equipment	\$ 8,550.00	\$ 8,550.00	\$ 8,550.00																		\$ -
SVE - Blower Installation	\$ 1,250.00	\$ 1,250.00	\$ 1,300.00																		\$ -
Franz Elec - SVE blower electrical	\$ 5,000.00	\$ 5,000.00	\$ 3,371.00																		\$ -
Pace - SVE effluent samples	\$ 836.00	\$ 836.00	\$ 1,062.00											\$ 570.00							\$ 570.00
Pace - SVE effluent samples (years 2 and 3)	\$ 218.00	\$ 218.00	\$ 218.00																		\$ -
Electric - MPU	\$ 6,000.00	\$ 6,000.00	\$ 7,624.68																		\$ 1,308.00
Electric - MPU (second year)	\$ 2,925.00	\$ 2,925.00	\$ 1,629.18	\$ 1,351.18																	\$ -
SVE system expenses	\$ 1,200.00	\$ 1,200.00	\$ -				\$ 29.40	\$ 30.05	\$ 29.51	\$ 14.70	\$ 14.81	\$ 35.43									\$ 1,505.08
Task 5 - Vapor Probe Sampling																					
Pace - vapor probe samples	\$ 1,254.00	\$ 1,254.00	\$ 1,226.00																		\$ -
Pace - vapor probe samples (year 2 and 3)	\$ 5,014.00	\$ 5,014.00	\$ -			\$ 1,744.00					\$ 1,935.30										\$ 3,679.00
Pace - vapor probe samples (year 4)	\$ 880.00	\$ 880.00	\$ -																		\$ -
Task 6 - Groundwater Monitoring																					
Pace - Groundwater Samples	\$ 2,600.00	\$ 2,600.00	\$ 2,220.00																		\$ -
Pace - Groundwater Samples (year 2 and 3)	\$ 4,030.00	\$ 4,030.00	\$ 3,660.00		\$ 540.00				\$ 600.00	\$ 600.30		\$ 660.00		\$ 660.00							\$ 3,060.00
Pace - Soil and Groundwater Samples	\$ 1,365.00	\$ 1,365.00	\$ -																		\$ -
Well Installation	\$ 2,550.00	\$ 2,550.00	\$ -																		\$ 2,224.00
Soil Borings - Drilling Services	\$ 2,280.00	\$ 2,280.00	\$ -																		\$ -
Well Abandonment	\$ 3,500.00	\$ 3,500.00	\$ -																		\$ -
Sub-Contractor Cost Total	\$ 209,740.00	\$ 205,215.00	\$ 155,374.94																		\$ 12,346.08
DERF ELIGIBLE SUB-TOTALS	\$ 271,370.00	\$ 260,415.00	\$ 188,068.07	\$ 1,615.02	\$ 2,917.00	\$ 2,233.50	\$ 206.40	\$ 2,374.55	\$ 269.01	\$ 4,633.31	\$ 1,316.81	\$ 3,971.43	\$ 622.00	\$ 3,620.00	\$ 4,573.44	\$ 1,177.00	\$ 2,902.00	\$ -	\$ -	\$ -	\$ 32,481.77
Non-DERF Eligible Expenses																					
Task 2 - Soil Remediation (Expenses)			\$ 907.50																		\$ -
Task 3 - Soil Vapor Extraction System (Expenses)			\$ 583.69																		\$ -
Task 5 - Groundwater Monitoring (Expenses)			\$ 455.81	\$ 232.80	\$ -	\$ -	\$ 86.77	\$ -	\$ 281.34	\$ 77.21	\$ 81.03	\$ -	\$ 225.44	\$ -	\$ 14.70	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 998.99
Non-DERF Cost Total			\$ 1,947.00	\$ -	\$ 232.80	\$ -	\$ 86.77	\$ -	\$ 281.34	\$ 77.21	\$ 81.03	\$ -	\$ 225.44	\$ -	\$ 14.70	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 998.99
INVOICE GRAND TOTAL			\$ 188,015.07	\$ 1,665.02	\$ 3,149.80	\$ 2,233.50	\$ 206.40	\$ 2,461.32	\$ 269.01	\$ 4,914.65	\$ 1,394.02	\$ 4,052.46	\$ 622.00	\$ 3,845.44	\$ 4,573.44	\$ 1,191.70	\$ 2,902.00	##	\$ -	\$ -	\$ 33,480.76

Check Numbers

Site Name: United Laundries and Dry Cleaners
 BRRTS #: 02-36-544383
 Type of Action: Remedial Action

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

TASKS	BUDGET			DERF COST BREAKCUT (this claim)								Budget Remaining Use (-) to indicate cost over-run	% Task Complete, Remarks	
	Bid / Budgeted Amount	INSEERT	Total Approved Budget	Previous Claims (If applicable)	A Soil Investigation	B Soil Remediation	C Groundwater Investigation	D Groundwater Remediation	E Air/Vapor Investigation	F Air/Vapor Remediation	G Lab & Other Analysis			H Miscellaneous Costs
Consultant Costs														
Task 1 - Work Plan Preparation	\$ 2,800.00		\$ 2,800.00	\$ 2,634.50									\$ 165.50	
Task 2 - Soil Excavation	\$ 9,400.00		\$ 9,400.00	\$ 8,389.50									\$ 1,010.50	
Task 2 - Soil Excavation (Expenses)	\$ 1,200.00		\$ 1,200.00	\$ 137.57									\$ 1,062.43	
Task 3 - Soil Vapor Extraction System	\$ 4,000.00		\$ 4,000.00	\$ 4,052.00									\$ (52.00)	
Task 3 - Soil Vapor Extraction System (Expenses)	\$ 450.00		\$ 450.00	\$ -									\$ 450.00	
Task 4 - Construction Documentation Report	\$ 4,610.00		\$ 4,610.00	\$ 4,630.00									\$ (20.00)	
Task 5 - Vapor Probe Sampling	\$ 400.00		\$ 400.00	\$ 400.00									\$ -	
Task 6 - Groundwater Monitoring	\$ 4,000.00		\$ 4,000.00	\$ 4,000.00									\$ -	
Task 6 - Groundwater / Air Monitoring (Expenses)	\$ 600.00		\$ 600.00	\$ 84.56									\$ 515.44	
Task 7 - Annual Report	\$ 4,800.00		\$ 4,800.00	\$ 5,073.50									\$ (273.50)	
Groundwater Monitoring (second and third years)	\$ 6,000.00		\$ 6,000.00	\$ 1,000.00		\$ 5,000.00							\$ -	
Well Installation	\$ 1,000.00		\$ 1,000.00	\$ -		\$ 1,000.00							\$ -	
Groundwater Monitoring (fourth)	\$ 400.00		\$ -	\$ -									\$ -	
Groundwater Monitoring Expenses (year 2 and 3)	\$ 1,050.00		\$ 1,050.00	\$ -		\$ 100.19							\$ 949.81	
Groundwater Monitoring Expenses (fourth year)	\$ 150.00		\$ -	\$ -									\$ -	
Vapor Probe Sampling (second and third years)	\$ 2,400.00		\$ 2,400.00	\$ -		\$ 2,400.00							\$ -	
Vapor Probe Sampling (fourth year)	\$ 400.00		\$ -	\$ -									\$ -	
Soil Borings (fourth year)	\$ 1,000.00		\$ -	\$ -									\$ -	
Soil Boring Expenses (fourth year)	\$ 150.00		\$ -	\$ -									\$ -	
Report and Project Management (year 2 and 3)	\$ 7,490.00		\$ 7,490.00	\$ 291.50		\$ 7,785.50							\$ (587.00)	
Case Closure	\$ 3,000.00		\$ 3,000.00	\$ -		\$ 3,650.00							\$ (650.00)	
Report and Project Management (year4)	\$ 1,330.00		\$ -	\$ -									\$ -	
Revised Case Closure	\$ 3,000.00		\$ -	\$ -									\$ -	
Well Abandonment	\$ 2,000.00		\$ 2,000.00	\$ -									\$ 2,000.00	
Consultant Cost Total	\$ 67,630.00		\$ 55,200.00	\$ 30,693.13									\$ 4,371.18	
Sub-Contractor Costs														

Site Name: United Laundries and Dry Cleaners
 BRRTS #: 02-36-544383
 Type of Action: Remedial Action

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

TASKS	BUDGET			DERF COST BREAKCUT (this claim)										Budget Remaining Use (-) to indicate cost over-run	% Task Complete, Remarks
	Bid / Budgeted Amount	INSEERT Total Approved Budget	Previous Claims (If applicable)	A Soil Investigation	B Soil Remediation	C Groundwater Investigation	D Groundwater Remediation	E Air/Vapor Investigation	F Air/Vapor Remediation	G Lab & Other Analysis	H Miscellaneous Costs				
Task 2 - Soil Excavation															
Pace - Verification Soil Samples	\$ 975.00	\$ 975.00	\$ 900.00											\$ -	
Veolia - Mobilization	\$ 6,740.00	\$ 6,740.00	\$ 6,739.57											\$ 75.00	
Veolia - Asphalt Removal	\$ 2,888.00	\$ 2,888.00	\$ 2,888.00											\$ 0.43	
WPS - Gas line removal / temp service	\$ 4,000.00	\$ 4,000.00	\$ 1,021.46											\$ -	
MPU - Power pole removal / temp service	\$ 4,000.00	\$ 4,000.00	\$ 3,565.41											\$ 2,978.54	
Veolia - Excavation	\$ 6,875.00	\$ 6,875.00	\$ 5,249.20											\$ 434.59	
Veolia - Transportation	\$ 24,000.00	\$ 24,000.00	\$ 18,657.24											\$ 1,625.80	
Advanced Disposal - soil disposal	\$ 62,000.00	\$ 62,000.00	\$ 39,723.26											\$ 5,342.76	
Veolia - linear pipe installation	\$ 1,600.00	\$ 1,600.00	\$ 1,493.79											\$ 22,276.74	
Veolia - Backfill	\$ 25,260.00	\$ 25,260.00	\$ 18,524.17											\$ 106.21	
Veolia - Surface Barrier (Asphalt Pavement)	\$ 12,350.00	\$ 12,350.00	\$ 15,826.96											\$ 6,735.83	
Task 3 - Soil Vapor Extraction System															
Badger State Drilling - Well Installation	\$ 7,000.00	\$ 7,000.00	\$ 6,825.00											\$ (3,476.98)	
Badger State Drilling - Drums for soil cuttings	\$ 600.00	\$ 600.00	\$ 600.00											\$ -	
SVE Building	\$ 2,000.00	\$ 2,000.00	\$ 2,500.00											\$ 175.00	
SES-SVE Equipment	\$ 8,550.00	\$ 8,550.00	\$ 8,550.00											\$ -	
SVE - Blower Installation	\$ 1,250.00	\$ 1,250.00	\$ 1,300.00											\$ (600.00)	
Franz Elec - SVE blower electrical	\$ 5,000.00	\$ 5,000.00	\$ 3,371.00											\$ -	
Pace - SVE effluent samples	\$ 836.00	\$ 836.00	\$ 1,062.00				\$ 570.00							\$ (50.00)	
Pace - SVE effluent samples (years 2 and 3)	\$ 218.00	\$ 218.00	\$ 218.00											\$ 1,059.00	
Electric - MPU	\$ 6,000.00	\$ 6,000.00	\$ 7,624.68							\$ 1,308.00				\$ (228.00)	
Electric - MPU (second year)	\$ 2,925.00	\$ 2,925.00	\$ 1,629.18				\$ 1,505.08							\$ (1,308.00)	
SVE system expenses	\$ 1,200.00	\$ 1,200.00	\$ -											\$ (1,624.68)	
Task 5 - Vapor Probe Sampling															
Pace - vapor probe samples	\$ 1,254.00	\$ 1,254.00	\$ 1,226.00											\$ (209.26)	
Pace - vapor probe samples (year 2 and 3)	\$ 5,014.00	\$ 5,014.00	\$ -											\$ 1,200.00	
Pace - vapor probe samples (year 4)	\$ 880.00									\$ 3,679.00				\$ -	
Task 6 - Groundwater Monitoring															
Pace - Groundwater Samples	\$ 2,600.00	\$ 2,600.00	\$ 2,220.00											\$ -	
Pace - Groundwater Samples (year 2 and 3)	\$ 4,030.00	\$ 4,030.00	\$ 3,660.00							\$ 3,060.00				\$ 380.00	
Pace - Soil and Groundwater Samples	\$ 1,365.00		\$ -											\$ (2,690.00)	
Well Installation	\$ 2,550.00	\$ 2,550.00	\$ -			\$ 2,224.00								\$ -	
Soil Borings - Drilling Services	\$ 2,280.00		\$ -											\$ 326.00	
Well Abandonment	\$ 3,500.00	\$ 3,500.00	\$ -											\$ -	
Sub-Contractor Cost Total	\$ 209,740.00	\$ 205,215.00	\$ 155,374.94											\$ 3,500.00	
DERF ELIGIBLE SUB-TOTALS	\$ 271,370.00	\$ 260,415.00	\$ 188,068.07	\$ -	\$ 24,434.77	\$ -	\$ -	\$ -	\$ -	\$ 8,047.00	\$ -	\$ -	\$ -	\$ 41,865.16	

Non-DERF Eligible Expenses		Total DERF Eligible Costs This Claim	\$ 32,481.77	Costs Incurred January 2015 through July 2016
Task 2 - Soil Remediation (Expenses)	\$ 907.50			
Task 3 - Soil Vapor Extraction System (Expenses)	\$ 583.69		\$5,500	Well abandonment (approved Oct 2013)
Task 5 - Groundwater Monitoring (Expenses)	\$ 455.81			
Non-DERF Cost Total	\$ 1,947.00		\$10,955	Proposed Change Order No. 2
INVOICE GRAND TOTAL	\$ 188,015.07		\$48,937	DERF Claim #6

Check Numbers