

#### CHANGE ORDER ADDENDUM

TO: Issac Ross, WDNR

FROM: Rob Hoverman, EnviroForensics, LLC

DATE: June 30, 2021

SUBJECT: Work Scope and Request for DERF Change Order-

Addendum Former Packard Way Cleaners

3650-3652 E. Barnard Avenue Cudahy, Wisconsin 53110 BRRTS# 02-41-515150

On February 3, 2021, EnviroForensics provided a Work Scope and Request for DERF Changer Order to conduct additional investigation and reporting. The WDNR accepted the tasks outlined in the work but issued a denial asking for additional activities on April 23, 2021. As an initial step, EnviroForensics is proposing to implement the following actions which incorporate the proposed investigation and the following:

- Gain access and conduct a vapor intrusion assessment (VIA) at 3677 E Squire Ave. pending access from new ownership: two (2) events during heating periods, and one (1) event during a non-heating period;
- Conduct groundwater gauging and evaluate flow direction prior to installing the proposed monitoring well (completed);
- Sample monitoring wells MW-8, -9, -10, 11, and temp wells SB-120 and SB-121 during the first event and sample MW-8, -9, -10, 11, during the second event, and
- Develop an emerging contaminants scoping statement.

The already proposed work well installation and vapor intrusion assessment at 3663 E Squire is scheduled for July 21, 2021. A VIA for 3677 E Squire will likely be coordinated for the same event. Future events will include providing data to right-of-way owners as well as individual property owners. The revised cost estimate is as follows:

Task	Consultant Revised	Subcontractor Revised
Work Scoping	\$4,200	
Field Investigations- Well install, 2 GW sampling	\$11,490	\$8,970
events, 3 VIAs at 2 locations		
Data Evaluation & Reporting	\$12,960	
Project Coordination & Management	\$4,140	
Emerging Contaminants Scoping Statement	\$2,480	

Cost backup is attached to this memo. The total cost requested in this revised change order is \$44,240

Document: 6492-0799 EnviroForensics, LLC

N16 W23390 Stone Ridge Drive, Suite G

Waukesha, WI 53188

Phone: 262-290-4001 • Fax 317.972.7875

June 30, 2021



# TABLE 1

### COST ESTIMATE

### **Former Packard Way Cleaners**

3650/3652 E. Barnard Avenue, Cudahy, Wisconsin; BRRTS #02-41-515150

TASK	LABOR COSTS	SUB- CONTRACTOR COSTS	DIRECT COSTS	PHASE COST
Pha	se 101a			
Work Scoping Document	\$4,200	\$0	\$0	\$4,200
Pha	se 101b			
Field Investigations	\$11,490	\$7,259	\$1,711	\$20,460
Pha	se 101c			
Data Evaluation & Reporting	\$12,960	\$0	\$0	\$12,960
Pha	se 101d			
Project Coordination & Management	\$4,140	\$0	\$0	\$4,140
Pha	se 101e			
Project Coordination & Management	\$2,480	\$0	\$0	\$2,480
TOTAL	\$35,270	\$7,259	\$1,711	\$44,240

**Project Title:** 

Project Number/Name: Date:

Former Packard Way Cleaners

6306

9/14/2020; BRRTS #02-41-515150



## Phase 101a Work Scoping Document

Labor - Office/Reporting	Price	Unit	# Units	Subtotal	Task Total
Sr Professional	\$155.00	hr	26.0	\$4,030.00	
Drafting	\$85.00	hr	2.0	\$170.00	
PH	ASE TOTAL				\$4,200.00

Project Title: Project Number/Name:

Date:

Former Packard Way Cleaners 6306 9/14/2020; BRRTS #02-41-515150



#### Phase 101b Field Investigations

Labor	Price	Unit	# Units	Subtotal	Task Total
Sr Professional	\$155.00	hr	20.0	\$3,100.00	
Project Manager	\$130.00	hr		\$0.00	
Project Professional	\$130.00	hr	10.0	\$1,300.00	
Staff Professional-Office	\$120.00	hr		\$0.00	
Staff Professional-Office	\$100.00	hr	12.0	\$1,200.00	
Field Professional	\$95.00	hr	62.0	\$5,890.00	
				\$11,490.00	\$11,490.00

riller	m	Price	Unit	# Units	Markup	Subtotal
Description	cility Locate	\$350.00	LS	1.0	1.00	\$350.00
Saste Disposal   S300.00   LS   3.0   1.00   S9	iller	\$1,700.00	LS	1.0	1.00	\$1,700.00
S3/	irveyor	\$500.00	LS	1.0	1.00	\$500.00
ontractor/Consultant - Laboratory         Price         Unit         # Units         Markup         Su           sil VOC 8260 dry wt         571.93         ea         1.0         1.00         55           sil VOC 8260 dry wt QA/QC         571.93         ea         1.00         5           w VOC 8260 18 Event         571.93         ea         6.0         1.00         54           w VOC 8260 QA/QC 1st Event         571.93         ea         2.0         1.00         51           w VOC 8260 2nd Event         571.93         ea         4.0         1.00         52           w VOC 8260 QA/QC 2nd Event         571.93         ea         2.0         1.00         53           r 10-15-Outdoor Air         511.00         ea         3.0         1.00         53           r 10-15-Sub/Slab         550.00         ea         6.0         1.00         53	aste Disposal	\$300.00	LS	3.0	1.00	\$900.00
5il VOC 8260 dry wt         \$71.93         ea         1.0         1.00         \$57           5il VOC 8260 dry wt QA/QC         \$71.93         ea         1.00         \$           6il VOC 8260 1st Event         \$71.93         ea         6.0         1.00         \$4           6il VOC 8260 QA/QC 1st Event         \$71.93         ea         2.0         1.00         \$1           6il VOC 8260 QA/QC 2nd Event         \$71.93         ea         4.0         1.00         \$5           6il VOC 8260 QA/QC 2nd Event         \$71.93         ea         4.0         1.00         \$5           6il VOC 8260 QA/QC 2nd Event         \$71.93         ea         2.0         1.00         \$5           7TO-15-Outdoor Air         \$110.00         ea         3.0         1.00         \$3           7TO-15-Sub-Siab         \$50.00         ea         6.0         1.00         \$3						\$3,450.00
5il VOC 8260 dry wt         \$71.93         ea         1.0         1.00         \$57           5il VOC 8260 dry wt QA/QC         \$71.93         ea         1.00         \$           6il VOC 8260 1st Event         \$71.93         ea         6.0         1.00         \$4           6il VOC 8260 QA/QC 1st Event         \$71.93         ea         2.0         1.00         \$1           6il VOC 8260 QA/QC 2nd Event         \$71.93         ea         4.0         1.00         \$5           6il VOC 8260 QA/QC 2nd Event         \$71.93         ea         4.0         1.00         \$5           6il VOC 8260 QA/QC 2nd Event         \$71.93         ea         2.0         1.00         \$5           7TO-15-Outdoor Air         \$110.00         ea         3.0         1.00         \$3           7TO-15-Sub-Siab         \$50.00         ea         6.0         1.00         \$3						
bil VOC 8260 dry wt QA/QC         \$71.93         ea         1.00         \$           W VOC 8260 1st Event         \$71.93         ea         6.0         1.00         \$4           W VOC 8260 QA/CC 1st Event         \$71.93         ea         2.0         1.00         \$1           W VOC 8260 QA/CC 2nd Event         \$71.93         ea         4.0         1.00         \$2           W VOC 8260 QA/QC 2nd Event         \$71.93         ea         2.0         1.00         \$1           Tr TO-15-UdsOr Air         \$110.00         ea         3.0         1.00         \$3           r TO-15- Sub-Slab         \$50.00         ea         6.0         1.00         \$3	ontractor/Consultant - Laboratory	Price	Unit	# Units	Markup	Subtotal
W VOC 8260 1st Event \$71.93 ea 6.0 1.00 \$4 W VOC 8260 0A/QC 1st Event \$71.93 ea 2.0 1.00 \$1 W VOC 8260 OA/QC 1st Event \$71.93 ea 4.0 1.00 \$2 W VOC 8260 OA/QC 2nd Event \$71.93 ea 4.0 1.00 \$2 W VOC 8260 OA/QC 2nd Event \$71.93 ea 2.0 1.00 \$1 tr 0.15 C VOC 10 \$1 tr 0.15	il VOC 8260 dry wt	\$71.93	ea	1.0	1.00	\$71.93
W VOC 8260 QA/QC 1st Event         \$71.93         ea         2.0         1.00         \$1           W VOC 8260 QA/QC 1st Event         \$71.93         ea         4.0         1.00         \$2           W VOC 8260 QA/QC 2nd Event         \$71.93         ea         2.0         1.00         \$1           v TO 1.5-Outdoor Air         \$110.00         ea         3.0         1.00         \$3           r TO -15 - Sub-Slab         \$50.00         ea         6.0         1.00         \$3	oil VOC 8260 dry wt QA/QC	\$71.93	ea		1.00	\$0.00
W VOC 8260 2nd Event \$71.93 ea 4.0 1.00 \$2 W VOC 8260 2nd Event \$71.93 ea 2.0 1.00 \$1 Tr 0-15-Outdon Air \$11.00 ea 3.0 1.00 \$3 r Tr 0-15-Outdon Air \$51.00 ea 6.0 1.00 \$3 r Tr 0-15-Sub-Slab \$50.00 ea 6.0 1.00 \$3	W VOC 8260 1st Event	\$71.93	ea	6.0	1.00	\$431.58
W VOC 8260 QA/QC 2nd Event \$71.93 ea 2.0 1.00 \$\$1 TTO-15-Outdoor Air \$110.00 ea 3.0 1.00 \$\$3 rTO-15-Sub Siab \$550.00 ea 6.0 1.00 \$\$3	W VOC 8260 QA/QC 1st Event	\$71.93	ea	2.0	1.00	\$143.86
r TO-15-Outdoor Air \$110.00 ea 3.0 1.00 \$3 r TO-15 Sub-Slab \$50.00 ea 6.0 1.00 \$3	W VOC 8260 2nd Event	\$71.93	ea	4.0	1.00	\$287.72
r TO-15 Sub-Slab \$50.00 ea 6.0 1.00 \$3	W VOC 8260 QA/QC 2nd Event	\$71.93	ea	2.0	1.00	\$143.86
The state of the s	r TO-15-Outdoor Air	\$110.00	ea	3.0	1.00	\$330.00
r TO-15 Indoor Air \$100.00 ea 12.0 1.00 \$1.	r TO-15 Sub-Slab	\$50.00	ea	6.0	1.00	\$300.00
	r TO-15 Indoor Air	\$100.00	ea	12.0	1.00	\$1,200.00
r - Indivudual Certification \$50.00 ea 12.0 1.00 \$6	r - Indivudual Certification	\$50.00	ea	12.0	1.00	\$600.00
r - Batch Certification \$50.00 LS 6.0 1.00 \$3		\$50.00	15	6.0	1.00	\$300.00

	Direct Costs - Chargeable Equipment Expense	Rat	e (hr/unit)	# H	irs/Units	Rat	e (day/use)	# da	ys/use	S	ubtotal	
Vehicles	Field Vehicle - Full Day	\$	20.00			\$	130.00		6	\$	780.00	
Meters	Multi-meter Conductivity/pH/Temp/TDS					\$	165.00		0.5	\$	82.50	
MICCELS	ppb RAE					\$	175.00		0.5	\$	87.50	
	Bailers (Disposable)	\$	10.00	\$	10.00					\$	100.00	
	Elec. Well Sounder (Probe)					\$	30.00	\$	0.50	\$	15.00	
	Padlocks	\$	15.00	\$	1.00					\$	15.00	
Other	Rotary Hammer Drill					\$	170.00		0.5	\$	85.00	
	Tubing - Silicone: 3/8" STD (per foot)	\$	4.50		3					\$	13.50	
	Vapor Pin Sub-Slab Sampling Port	\$	75.00		2					\$	150.00	
	Sub-Slab Cover (Stainless Steel)	\$	40.00		2					\$	80.00	
Safety	Routine Field and Safety Equipment					\$	50.00		4	\$	200.00	
Production	Color Copies	\$	0.40		31					\$	12.40	
rioudction	Document - Format/Sending	\$	15.00		6					\$	90.00	
										\$1	,710.90	\$1,710.90

**Project Title:** 

Date:

Project Number/Name:

Former Packard Way Cleaners

6306

9/14/2020; BRRTS #02-41-515150



## Phase 101c Data Evaluation & Reporting

Labor - Office/Reporting	Price	Unit	# Units	Subtotal	Task Total
Principal	\$200.00	hr		\$0.00	
Director	\$175.00	hr		\$0.00	
Sr Project Manager	\$155.00	hr		\$0.00	
Sr Professional	\$155.00	hr	24.0	\$3,720.00	
Project Manager	\$130.00	hr		\$0.00	
Project Professional	\$130.00	hr	40.0	\$5,200.00	
Staff Professional-Office	\$120.00	hr	16.0	\$1,920.00	
Staff Professional-Field	\$120.00	hr		\$0.00	
Field Professional	\$95.00	hr	12.0	\$1,140.00	
Drafting	\$85.00	hr	10.0	\$850.00	
Admin	\$65.00	hr	2.0	\$130.00	
Vapor Intrusion Specialist	\$155.00	hr		\$0.00	
Health and Safety Specialist	\$130.00	hr		\$0.00	
		hr		\$0.00	
				\$12,960.00	\$12,960.00
	PHASE TOTAL				\$12,960

**Project Title:** 

Project Number/Name: Date:

Former Packard Way Cleaners

6306

9/14/2020; BRRTS #02-41-515150



# Phase 101d Project Coordination & Management

Labor - Office/Reporting	Price	Unit	# Units	Subtotal	Task Total
Principal	\$200.00	hr		\$0.00	
Director	\$175.00	hr		\$0.00	
Sr Project Manager	\$155.00	hr		\$0.00	
Sr Professional	\$155.00	hr	20.0	\$3,100.00	
Project Manager	\$130.00	hr	8.0	\$1,040.00	
Project Professional	\$130.00	hr		\$0.00	
Staff Professional-Office	\$120.00	hr		\$0.00	
Staff Professional-Field	\$120.00	hr		\$0.00	
Field Professional	\$95.00	hr		\$0.00	
Drafting	\$85.00	hr		\$0.00	
Admin	\$65.00	hr		\$0.00	
Compliance Specialist				\$0.00	
Vapor Intrusion Specialist				\$0.00	
Health and Safety Specialist				\$0.00	
		hr		\$0.00	
_				\$4,140.00	\$4,140.00
	PHASE TOTAL				\$4,140.0

Project Title:
<b>Project Number/Name:</b>
Date:

Former Packard Way Cleaners
6306
9/14/2020; BRRTS #02-41-515150



Labor - Office/Reporting	Price	Unit	# Units	Subtotal	Task 1
Principal	\$200.00	hr		\$0.00	
Director	\$175.00	hr		\$0.00	
Sr Project Manager	\$155.00	hr		\$0.00	
Sr Professional	\$155.00	hr	16.0	\$2,480.00	
Project Manager	\$130.00	hr		\$0.00	
Project Professional	\$130.00	hr		\$0.00	
Staff Professional-Office	\$120.00	hr		\$0.00	
Staff Professional-Field	\$120.00	hr		\$0.00	
Field Professional	\$95.00	hr		\$0.00	
Drafting	\$85.00	hr		\$0.00	
Admin	\$65.00	hr		\$0.00	
Compliance Specialist				\$0.00	
Vapor Intrusion Specialist				\$0.00	
Health and Safety Specialist				\$0.00	
		hr		\$0.00	
	-	•		\$2,480.00	\$2,48