



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 events, 3 VIAs at 2 locations	\$11,490	\$8,970
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



TABLE 1
COST ESTIMATE
 Former Packard Way Cleaners
 3650/3652 E. Barnard Avenue, Cudahy, Wisconsin; BRRS #02-41-515150

TASK	LABOR COSTS	SUB- CONTRACTOR COSTS	DIRECT COSTS	PHASE COST
Phase 101a				
Work Scoping Document	\$4,200	\$0	\$0	\$4,200
Phase 101b				
Field Investigations	\$11,490	\$7,259	\$1,711	\$20,460
Phase 101c				
Data Evaluation & Reporting	\$12,960	\$0	\$0	\$12,960
Phase 101d				
Project Coordination & Management	\$4,140	\$0	\$0	\$4,140
Phase 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	
PHASE TOTAL						\$4,200.00

Project Title: Former Packard Way Cleaners
 Project Number/Name: 6306
 Date: 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

Contractors/Consultants	Price	Unit	# Units	Markup	Subtotal	Task Total
Utility Locate	\$350.00	LS	1.0	1.00	\$350.00	
Driller	\$1,700.00	LS	1.0	1.00	\$1,700.00	
Surveyor	\$500.00	LS	1.0	1.00	\$500.00	
Waste Disposal	\$300.00	LS	3.0	1.00	\$900.00	
					\$3,450.00	\$3,450.00

Contractor/Consultant - Laboratory	Price	Unit	# Units	Markup	Subtotal	Task Total
Soil VOC 8260 dry wt	\$71.93	ea	1.0	1.00	\$71.93	
Soil VOC 8260 dry wt QA/QC	\$71.93	ea		1.00	\$0.00	
GW VOC 8260 1st Event	\$71.93	ea	6.0	1.00	\$431.58	
GW VOC 8260 QA/QC 1st Event	\$71.93	ea	2.0	1.00	\$143.86	
GW VOC 8260 2nd Event	\$71.93	ea	4.0	1.00	\$287.72	
GW VOC 8260 QA/QC 2nd Event	\$71.93	ea	2.0	1.00	\$143.86	
Air TO-15-Outdoor Air	\$110.00	ea	3.0	1.00	\$330.00	
Air TO-15 -- Sub-Slab	\$50.00	ea	6.0	1.00	\$300.00	
Air TO-15 -- Indoor Air	\$100.00	ea	12.0	1.00	\$1,200.00	
Air - Individual Certification	\$50.00	ea	12.0	1.00	\$600.00	
Air - Batch Certification	\$50.00	LS	6.0	1.00	\$300.00	
					\$3,808.95	\$3,808.95

Direct Costs - Chargeable Equipment Expense	Rate (hr/unit)	# Hrs/Units	Rate (day/use)	# days/use	Subtotal	Task Total
Vehicles	\$ 20.00		\$ 130.00	6	\$ 780.00	
Meters			\$ 165.00	0.5	\$ 82.50	
			\$ 175.00	0.5	\$ 87.50	
	\$ 10.00	\$ 10.00			\$ 100.00	
			\$ 30.00	\$ 0.50	\$ 15.00	
Other	\$ 15.00	\$ 1.00			\$ 15.00	
			\$ 170.00	0.5	\$ 85.00	
	\$ 4.50	3			\$ 13.50	
	\$ 75.00	2			\$ 150.00	
	\$ 40.00	2			\$ 80.00	
Safety			\$ 50.00	4	\$ 200.00	
Production	\$ 0.40	31			\$ 12.40	
	\$ 15.00	6			\$ 90.00	
					\$1,710.90	\$1,710.90

PHASE TOTAL					\$1,710.90	\$20,459.85
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Project Title:
 Project Number/Name:
 Date:

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						\$12,960.00

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 Project Number/Name:
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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					\$4,140.00

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Project Number/Name:
Date:

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Phase 101e Emerging Contaminants Scoping Statement						
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	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	\$2,480.00
PHASE TOTAL						\$2,480.00