## Schultz, Josie M - DNR

**From:** Andy Delforge <adelforge@reiengineering.com>

Sent: Monday, September 16, 2019 1:10 PM

**To:** Schultz, Josie M - DNR

**Subject:** V&L Stripping - Change Order for MW Replacement

**Attachments:** 8318UappA.pdf; Copy of 4400-214D.xls

Hi Josie – attached is a change order to replace MW600, MW2000, TW500, and TW800. Piezometer PZ1700 remains, and just needs some concrete chipped off of the flush mount. As you know, REI has performed an initial round of sampling, followed by a report, and the CAP 18 ME was injected in June. Let me know if you have questions, would like to discuss, or need hard copies.

Thank you,

1- 4 1/2m

Andrew R. Delforge, P.G. - Senior Hydrogeologist



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Site Name:	
BRRTS #:	
ne of Action	

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

TASKS	BUDGET				INVOICES									DERF	Ī							
Bid / Budgeted Description	Bid / Budgeted Amount (REI Initial Approval- 10/16/18)	REI Change Order #1	INSERT	Total Approved Budget	Previous Claims (If applicable)	REI #35314, 11/15/18	REI #35577, 12/11/18	REI #35835, 1/17/19	REI 36442, 5/3/19	REI #37006, 7/31/19	INSERT	Total Invoiced Costs	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	Budget Remaining Use (-) to indicate cost over-run	% Task Complete, Remarks
Consultant Costs	10/10/10)	Older#1		Budget	(ii applicable)	11/13/10	12/11/10	1/11/19	3/3/19	7/31/19		COSIS	investigation	Kemediation		Keinediation	investigation				COSt Over-run	// rask complete, Remarks
Initial Sampling Event and Summary Report	\$ 2,463.00		\$ -	\$ 2,463.00		\$ 2,685.50						\$ 2.685.50									\$ (222.50)	Task % Complete
Tubing	\$ 176.00	\$ 40.00	η Ψ-	\$ 176.00		\$ 40.00						\$ 40.00									\$ 136.00	radit 70 Complete
Water Level Indicator	\$ 25.00	\$ 25.00		\$ 24.00		\$ 12.50						\$ 12.50									\$ 11.50	
YSI & Flow Cell	\$ 300.00	Ψ 20.00		\$ 300.00		\$ 150.00						\$ 150.00									\$ 150.00	
Drums	\$ 110.00	\$ 330.00	)	\$ 110.00								\$ -									\$ 110.00	
Whale Pump		\$ 30.00	)																			
Pre-Remedial Implementation and Planning	\$ 1,043.00			\$ 1,043.00			\$ 29.50					\$ 29.50									\$ 1,013.50	
Remedial Action Work Plan and Injection																						
Permitting	\$ 7,568.00			\$ 7,568.00				\$ 1,070.50	\$ 232.00			\$ 1,302.50									\$ 6,265.50	
Injection of Amendment - CAP 18 ME	\$ 5,177.00			\$ 5,177.00						\$ 2,082.50		\$ 2,082.50									\$ 3,094.50	
Performance Monitoring	\$ 14,032.00			\$14,032.00								\$ -									\$ 14,032.00	
Vapor Mitigation System Installation and Air																						
Sampling	\$ 2,012.00			\$ 2,012.00																		
Multi-gas meter and vacuum gauges	\$ 150.00			\$ 150.00																		
Reporting - Summary Report	\$ 3,279.00		<u> </u>	\$ 3,279.00																		
Reporting - Closure Report	\$ 8,321.00			\$ 8,321.00																		
Monitoring Well Abandonment and Forms	\$ 1,746.00			\$ 1,746.00																		
Bentonite	\$ 111.00			\$ 111.00																		
Asphalt Patch	\$ 52.40			\$ 52.40								•										
DERF Claims	\$ 2,616.00		-	\$ 2,616.00								\$ -									\$ 2,616.00	
Monitoring Well Replacement - Permitting, Drilling Oversight, Well Development, Forms		\$ 2,170.00	)																			
Consultant Cost Total	2 12 12 12	0.505.00		240 400 40	•							2 222 52									2 27 222 52	
	\$ 49,181.40	\$ 2,595.00	) \$-	\$49,180.40	\$ -							\$ 6,302.50									\$ 27,206.50	
Sub-Contractor Costs	Φ 0.000.00			A 0.000.00			Φ 005.00					005.00									0.005.00	
Laboratory VOCs	\$ 9,230.00		\$ -	\$ 9,230.00			\$ 325.00					\$ 325.00		-			-				\$ 8,905.00	
Laboratory Inorganics Geoprobe - Injection	\$ 14,714.00 \$ 9,200.00		-	\$14,714.00 \$ 9,200.00			\$ 1,360.00			\$ 5,650.00		\$ 1,360.00 \$ 5,650.00					-				\$ 13,354.00 \$ 3,550.00	
CAP 18 Product	\$ 9,200.00 \$ 5,199.87		+	\$ 9,200.00						\$ 5,650.00		\$ 5,650.00					-				\$ 3,550.00 \$ 1,151.59	
Soil Cutting Disposal	\$ 5,199.87 \$ 150.00	\$ 150.00	+	\$ 5,199.87		-		-		φ 4,048.28				-			+	-	<b>+</b>		\$ 1,151.59 \$ 150.00	
Purge Water Disposal	\$ 150.00	\$ 150.00		\$ 150.00			\$ 1.93	-				\$ - \$ 1.93		<del> </del>			+				\$ 150.00	
Vapor Mitigation System - Installation	\$ 90.00	φ 60.00	<del>'                                       </del>	\$ 90.00			φ 1.93	<del> </del>				φ 1.93		<u> </u>	1	-	+	-	1		φ 68.07	
Diagnostic Testing	\$ 600.00		+	\$ 600.00																		
Vapor Samples TO-15	\$ 2,200.00		+	\$ 2,200.00				<del>                                     </del>				\$ -		<u> </u>		<del> </del>	+	<del>                                     </del>	<u> </u>		\$ 2,200.00	
Monitoring Well Replacement - MW600, MW2000, TW800, TW1500	ψ 2,200.00	\$ 3,223.00		Ψ 2,200.00								-									2,200.00	
Sub-Contractor Cost Total	¢ 45 400 07	¢ 2.452.00		£ 45 400 07	Φ.							¢ 44.205.04					-				e 20.200.00	
	\$ 45,133.87	\$ 3,453.00		\$ 45,133.87		A 0.000.00	A 4 746 12	1 070 70	A 005 33	A 44 705 70	•	\$ 11,385.21	•								\$ 29,398.66	
DERF ELIGIBLE SUB-TOTALS	\$ 94,315.27	\$ 6,048.00	\$ -	\$94,314.27	\$ -	\$ 2,888.00	\$ 1,716.43	\$ 1,070.50	\$ 232.00	\$ 11,780.78	<b>\$</b> -	\$ 17,687.71	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 56,605.16	

Non-DERF Eligible Expenses									
									\$ -
									\$ ,
Non-DERF Cost Total	\$ -	- 1	\$ -	\$ -	\$ -	\$ 700.00	\$ -		\$ -
INVOICE GRAND TOTAL	\$ -		\$ 2,888.00	\$ 1,716.43	\$ 1,070.50	\$ 932.00	\$ 11,780.78	##	\$ 17,687.71

Total DERF Eligible Costs This Claim

ible Costs This Claim \$ WARNING - Double Check Total Invoiced Costs column to DERF Cost Breakout figures - possible errors found!