Lauridsen, Keld B - DNR

From: Ken Ebbott <kebbott@fehr-graham.com>
Sent: Thursday, January 24, 2019 2:47 PM

To: Lauridsen, Keld B - DNR
Cc: 'Jim Mohr'; Ken Ebbott

Subject: Tidy Cleaners Scope / Budget for OK

Attachments: SKM_C454e19012212090.pdf

Keld,

Attached is the signed Change Order for Tidy Cleaners Green Bay. We had discussed the scope, and I've gotten the client, Jim Mohr, to sign the Change Order. Just need the DNR OK and it can begin. It is DERF, so need the budget blessed to keep it eligible for reimbursement.

Thanks -

Ken

KENDRICK EBBOTT, PG | Branch Manager Fehr Graham | Engineering & Environmental

909 N. 8th Street Suite 101 Sheboygan, WI 53081 P: 920.453.0700 C: 920-980-4231 F: 920.453.0750 fehr-graham.com CHANGE ORDER 2 and 3: Jan 14 2019

Tidy Cleaners and	Laditary, O.	CO 2 cilian		1 1
	Original Appvd Cost	Approved 2017	CO 3 Request Jan 14 2019	Total Cost
TEM DESCRIPTION				\$277.50
ONSULTING SERVICES	\$277.50		\$1,605.00	\$1,605.00
Task 1: NR716 Work Plan Task 1A: Access Agreements Off-Site Locations		0	\$1,605.00	
		0	\$0.00	\$840.00
ask 2: Field Investigation: Borings and Grab Water Samples, \	\$840.00	O	7	22 227 22
1	\$1,571.00	0	\$2,426.00	\$3,997.00
Fask 3: Monitoring Well Installations	\$1,571.00			\$7,036.00
1	\$3,984.00	750	\$2,302.00	\$7,000.00
Task 4: Groundwater Monitoring			\$665.00	\$1,060.00
Task 5: Install / Sample Indoor Vapor Probes	\$395.00	0	\$665.00	
Task 5: Install / Sample Indoor Vapor Vapor	500.00	650	\$3,200.00	\$7,380.00
Task 6: Data Evaluation and SI Report	\$3,530.00	050		04.070.00
	\$570.00	0	\$1,300.00	\$1,870.00 \$24,065.50
Task 7: Project Management	\$11,167.50	1400	\$11,498.00	\$24,000.00
Consultant Total: Task 1-7	1			
CONTRACTOR SERVICES Task 2: Field Investigation: Borings and Grab Water Samples			\$0.00	\$1,195.00
Task 2: Field investigation: Bornings and Orining	\$1,195.00	0	\$0.00	\$462.00
Lab	\$462.00		40.00	
				\$7,902.00
Task 3: Monitoring Well Installations	\$3,244.00	0	\$4,658.00	\$7,902.00
Drilling	\$416.00	0	\$468.00	\$1,325.0
Lab	\$550.00	0	\$775.00	V 1,0201
Drum Disposal		1		
Task 4: Groundwater Monitoring (4 Events at 4 Wells) Plus 2	Events at 3 we	200	\$900.00	\$2,408.0
Lab	\$1,308.00	200		0.450.0
	\$200.00	0	\$250.00	\$450.0 \$14,626.0
Task 5: Install / Sample Indoor Vapor Probes (not needed)	\$7,375.00	\$200.00		\$38,691.5
Contractor Total: Task 1-7	\$18,542.5		0 \$18,549.00	400,0011
actor Total: Task 1-7				\$24,065.
TOTAL SITE INVESTIGATION B Consulting	\$11,167.50	\$1,400.0		\$14,626.
TOTAL SITE INVESTIGATION B COnstraints Commodity	\$7,375.00			\$38,691.
TOTAL	\$18,542.5	\$1,600.	00 \$10,349.00	

Tidy Cleaners approves of the site investigation costs described above and authorizes Fehr Graham to proceed with these activities. Fehr Graham shall not exceed any of these costs without receiving written authorization. The terms and conditions of the original contract for this project will apply to these services.

Mr. Jim Mohr, Tidy Cleaners Date

Mr. Jim Mohr, Tidy Cleaners	at the time of claim
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Final determination regarding the eligibility of costs will be determined at the time
This approval does not guarantee the reimoursement of costs.	. Final determination regarding the eligibility of costs will be determined at the time of claim review.
Date Date	

Mr.Keld Lauridsen, WDNR	Date		
Mr. Ken Ebbott, Fehr Graham	14-Jan-19 Date		

Lauridsen, Keld B - DNR

From:	Ken Ebbott <kebbott@fehr-graham.com></kebbott@fehr-graham.com>
Sent:	Monday, January 14, 2019 11:31 AM
To:	Lauridsen, Keld B - DNR; 'Jim Mohr'
Cc:	Ken Ebbott; Dillon Plamann
Subject:	FW: BRRTS 02-05-552220 Proposed Scope of Additional Investigation for DERF Site,
•	Tidy Cleaners, Green Bay
Attachments:	Change Order 2 and 3 Details.pdf; Change Order 2 and 3.pdf
Keld and Jim,	
Attached is the cost estimate and	d Change Order for approval to get this moving forward.
_	inor costs from 2017 for one round of water samples. We did that work and got Fresne, but didn't do a formal change order, so I included it on this Change order to
Let me know if you have any que	stions, if not- sign and return and we can get moving.
Thanks,	
Ken	
KENDRICK EBBOTT, PG Branch Fehr Graham Engineering & En	-
Original Message From: jmohr5@new.rr.com <jmo 02-05-552220<="" 1="" 13,="" 2019="" <kebbott@fehr-g="" brrts="" ebbott="" january="" ken="" re:="" sent:="" subject:="" sunday,="" td="" to:=""><td>1:25 AM</td></jmo>	1:25 AM
Ken: We need to get this invest Thank you, Jim	tigation completed.
Ken Ebbott <kebbott@fehr-g< td=""><td>raham.com> wrote:</td></kebbott@fehr-g<>	raham.com> wrote:
> Tidy Cleaners site, 818 S Broads > 02-05-552220	
>	
> Keld and Jim,	
	ations in Purple, and details are provided below on the scope.
>	idy Cleaners in Green Bay is as follows:
> * Install to a 2 in ab reconit and	and wells (MANA) O and MANA 10) are the south officers to Versilands at Discounts. Call of the
	ng wells (MW-9 and MW-10) on the south adjacent Vanderleest Property. Soil samples 3-4' and 11-12' at each boring for VOCs. Total well depths will be 14' with a 10' screen.

> * Install monitoring well/piezometer nest (MW-11 and PZ-12) on Tidy Cleaners Property. Soil samples will be
collected from depths of 3-4' and 11-12' at the well nest for VOCs. Total well depth of MW-11 will be 14' with a 10' screen. Total well depth of PZ-12 will be 30' with a 5' screen. The well nest will be used to assess sanitary and water utility lines.
>
> >
> * Install soil boring/ 1-inch temporary well (B-13) on Tidy Cleaners Property at the edge of the Broadway Street right of way. Soil samples will be collected from depths of 3-4' and 11-12' for VOCs. Total well depth of 12' with a 10' screen.
The boring will be used to assess the gas utility line as a migratory pathway.
>
> * Collect one sub slab vapor sample (SS-1) in office area of building for VOCs.
* Collect one sub slab vapor sample (SS-1) in office area of building for VOCs.
>
> * Following the installation of the three monitoring wells, one piezometer, and one temporary well, the new wells
will be developed and surveyed.
>
> * Collect two rounds of groundwater samples for VOCs from all site wells (9 total). The first round will be collected
one week after development of the new wells. The second round will be collected 3 months after the first round.
>
> * All data will be assessed, and an updated Site Investigation Report will be submitted.
>
> The site is DERF eligible. If you agree with the scope, I will prepare a formal DERF change Order for you and the owner to approve, so the costs will be eligible for DERF reimbursement.
> The cost comes out to approximately \$18,500, as there is a lot of drilling and lab included in that total. We also assume we can get access to drill on the neighboring property to the south without too much difficulty.
> I look forward to hearing back on the scope. Have a great weekend-
> >
>
> Ken
> >
> KENDRICK EBBOTT, PG Branch Manager Fehr Graham Engineering & > Environmental
>
> 909 N. 8th Street I Suite 101
> Sheboygan, WI 53081 > P: 920.453.0700
> C: 920-980-4231

- > F: 920.453.0750
- > fehr-graham.com<http://www.fehr-graham.com/>
-)

TABLE 5Additional Site Investigation Cost Estimate, Tidy Cleaners and Laundry, Green Bay 1/14/2019

ITEM DESCRIPTION	Unit Price	Quantity	Units	Total Cost
CONSULTING SERVICES				
Task 1A: Access Agreements Off-Site Parcels				
Hydrogeologist V	\$95.00	5	hour	\$475.00
Hydrogeologist II	\$75.00	8	hour	\$600.00
Technician II	\$70.00	6	hour	\$420.00
Drafter	\$55.00	2	hour	\$110.00
Diallei	\$55.00	2	Subtotal Task	
Task 2: Subslab Vapor Assesment			SUDIOIAI TASK	\$1,605.00
Hydrogeologist V	\$95.00	2	hour	\$190.00
Technician II - VP Install		2	hour	
	\$70.00	3		\$140.00
Technician II - Grab Vapor	\$70.00		hour	\$210.00
PID	\$75.00	1	day	\$75.00
Vapor Pin	\$50.00	1	each	\$50.00
Task 3: Addl Monitoring Well Installation (4 wells)	One Boring De	velonment	Subtotal Task	\$665.00
Hydrogeologist V	\$95.00	1	hour	\$95.00
Technician II-Drill/soil sample/grab water sample	\$70.00	20	hour	\$1,400.00
Technician II - Well Development, Survey	\$70.00	10	hour	\$700.00
PID	\$75.00	1	day	\$75.00
Water Level Indicator	\$21.00	1	day	\$21.00
Survey Equipment	\$35.00	1	day	\$35.00
Expendible Field Supplies	\$25.00	4	each	\$100.00
Tack 4: Groundwater Monitoring of 9 wells (9	torly round-1		Subtotal Task	\$2,426.00
Task 4: Groundwater Monitoring at 9 wells (2 quar	terly rounds) \$95.00	1	hour	\$95.00
Hydrogeologist V Technician II - Sample	\$95.00 \$70.00	10	hour	\$700.00
Water Level Indicator	\$21.00	10	day	\$21.00
Water Quality Meter	\$125.00	1	day	\$125.00
Disposable Bailer	\$20.00	9	each	\$180.00
Expendible Field Supplies - (sample tubing etc)	\$30.00	1	each	\$30.00
			Event Subtotal	\$1,151.00
			Events	. 2
To de Se Addition of Data Section 0.014 december	-4' D 4		Subtotal Task	\$2,302.00
Fask 5: Additional Data Evaluation & Site Investigation Hydrogeologist V	\$95.00	20	hour	\$1,000,00
Hydrogeologist II	\$75.00	8	hour	\$1,900.00 \$600.00
Technician II	\$70.00	10	hour	\$700.00
10011110101111	Q. 0.00		Subtotal Task	\$3,200.00
Task 6: Additional Project Management and Drum	Disposal			
Hydrogeologist V	\$95.00	10	hour	\$950.00
Technician II	\$70.00	5	hour	\$350.00
CONSULTING SERVI	ICES TOTAL		Subtotal Task	\$1,300.00 \$11,498.00
ITEM DESCRIPTION	Unit Price	Ouantitu	Units	Total Cost
COMMODITY SERVICES : BILLED DIRECTLY TO C		Quantity	Ullits	Total Cost
	JEIEINI			
Task 2: Subslab Vapor Assesment				
Laboratory Services				
VOC C TO 15	# 050 00	4		¢250.00
VOC - Summa TO-15	\$250.00	1	each	
			Subtotal Task	
Task 3: Addl Monitoring Well Installation (4 wells)			Subtotal Task	
Task 3: Addl Monitoring Well Installation (4 wells)			Subtotal Task	\$250.00
Fask 3: Addl Monitoring Well Installation (4 wells). Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30)	/One Boring, De \$500.00 \$8.00	evelopment 8 1 72	Subtotal Task Survey lump foot	\$250.00 \$500.00 \$576.00
Task 3: Addl Monitoring Well Installation (4 wells) Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30')	/One Boring, De \$500.00 \$8.00 \$15.00	1 72 72	Subtotal Task Survey lump foot foot	\$250.00 \$500.00 \$576.00 \$1,080.00
Fask 3: Addl Monitoring Well Installation (4 wells)/ Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation	\$500.00 \$8.00 \$15.00 \$15.00	1 72 72 72 72	Subtotal Task Survey lump foot foot foot	\$250.00 \$500.00 \$576.00 \$1,080.00 \$1,080.00
Fask 3: Addl Monitoring Well Installation (4 wells). Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation 1" well installation	\$500.00 \$8.00 \$15.00 \$15.00 \$6.00	1 72 72	Subtotal Task Survey lump foot foot	\$250.00 \$500.00 \$576.00 \$1,080.00 \$1,080.00 \$72.00
Fask 3: Addl Monitoring Well Installation (4 wells)/ Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation	\$500.00 \$8.00 \$15.00 \$15.00	1 72 72 72 72 12	Subtotal Task Survey lump foot foot foot foot foot	\$50.00 \$576.00 \$1,080.00 \$1,200 \$150.00
Fask 3: Addl Monitoring Well Installation (4 wells). Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation 1" well installation Concrete penetration Decontamination Flush Mount Covers	\$500.00 \$8.00 \$15.00 \$15.00 \$6.00 \$50.00 \$200.00 \$150.00	1 72 72 72 72 12 3 1	Subtotal Task Survey Lump foot foot foot foot each each each	\$50.00 \$576.00 \$1,080.00 \$1,080.00 \$150.00 \$150.00 \$200.00 \$750.00
Fask 3: Addl Monitoring Well Installation (4 wells)/ Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation 1" well installation Concrete penetration Decontamination	\$500.00 \$8.00 \$15.00 \$15.00 \$15.00 \$6.00 \$50.00 \$200.00	1 72 72 72 72 12 3 1 5	Subtotal Task Survey lump foot foot foot foot each each each each	\$250.00 \$500.00 \$576.00 \$1,080.00 \$72.00 \$150.00 \$200.00 \$750.00 \$250.00
Fask 3: Addl Monitoring Well Installation (4 wells)/ Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation 1" well installation Concrete penetration Decontamination Flush Mount Covers Drums	\$500.00 \$8.00 \$15.00 \$15.00 \$6.00 \$50.00 \$200.00 \$150.00	1 72 72 72 72 12 3 1 5	Subtotal Task Survey Lump foot foot foot foot each each each	\$250.00 \$500.00 \$576.00 \$1,080.00 \$72.00 \$150.00 \$200.00 \$750.00 \$250.00
Fask 3: Addl Monitoring Well Installation (4 wells). Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation 1" well installation Concrete penetration Decontamination Flush Mount Covers Drums aboratory Services	\$500.00 \$8.00 \$15.00 \$15.00 \$6.00 \$50.00 \$200.00 \$150.00 \$50.00	1 72 72 72 72 12 3 1 5	Subtotal Task Survey lump foot foot foot foot each each each each	\$250.00 \$576.00 \$1,080.00 \$1,200.00 \$150.00 \$250.00 \$250.00 \$4,658.00
Fask 3: Addl Monitoring Well Installation (4 wells)/ Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation 1" well installation Concrete penetration Decontamination Flush Mount Covers Drums	\$500.00 \$8.00 \$15.00 \$15.00 \$6.00 \$50.00 \$200.00 \$150.00	1 72 72 72 72 12 3 1 5	Subtotal Task Survey Lump foot foot foot foot each each each subtotal Drilling	\$250.00 \$500.00 \$576.00 \$1,080.00 \$72.00 \$150.00 \$250.00 \$250.00 \$4,658.00
Fask 3: Addl Monitoring Well Installation (4 wells). Grilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation 1" well installation Concrete penetration Decontamination Flush Mount Covers Drums .aboratory Services VOC- Soil nvestigative Waste Disposal - 5 Drums Soil (assume	\$500.00 \$8.00 \$15.00 \$15.00 \$15.00 \$6.00 \$50.00 \$200.00 \$150.00 \$50.00	1 72 72 72 72 12 3 1 5 5	Subtotal Task Survey Lump foot foot foot foot each each each subtotal Drilling each Subtotal Lab	\$250.00 \$500.00 \$576.00 \$1,080.00 \$72.00 \$150.00 \$250.00 \$250.00 \$250.00 \$4,658.00
Fask 3: Addl Monitoring Well Installation (4 wells): Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation 1" well installation Concrete penetration Decontamination Flush Mount Covers Drums _aboratory Services VOC- Soil nvestigative Waste Disposal - 5 Drums Soil (assume Non-Haz Disposal Drums Soil	\$500.00 \$8.00 \$15.00 \$15.00 \$15.00 \$6.00 \$50.00 \$200.00 \$150.00 \$50.00	1 72 72 72 12 3 1 5 5 9	Subtotal Task Survey Lump foot foot foot each each each each subtotal Drilling each Subtotal Lab each	\$250.00 \$500.00 \$576.00 \$1,080.00 \$72.00 \$150.00 \$250.00 \$4,658.00 \$468.00
Fask 3: Addl Monitoring Well Installation (4 wells)/ Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation 1" well installation Concrete penetration Decontamination Flush Mount Covers Drums _aboratory Services VOC- Soil nvestigative Waste Disposal - 5 Drums Soil (assume Non-Haz Disposal Drums Soil Plck-up / Transport Non Haz	\$500.00 \$8.00 \$15.00 \$15.00 \$15.00 \$50.00 \$50.00 \$50.00 \$50.00 \$50.00	1 72 72 12 3 1 5 5 9 9 5 1	Subtotal Task Survey Lump foot foot foot foot each each each each Subtotal Drilling each Subtotal Lab each each	\$250.00 \$500.00 \$576.00 \$1,080.00 \$1,080.00 \$72.00 \$150.00 \$750.00 \$2550.00 \$468.00 \$468.00
Fask 3: Addl Monitoring Well Installation (4 wells) Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation 1" well installation Concrete penetration Decontamination Flush Mount Covers Drums Laboratory Services VOC- Soil Investigative Waste Disposal - 5 Drums Soil (assume Non-Haz Disposal Drums Soil	\$500.00 \$8.00 \$15.00 \$15.00 \$15.00 \$6.00 \$50.00 \$150.00 \$50.00 \$150.00 \$150.00 \$150.00 \$75.00	1 72 72 12 3 1 5 5 9 9 5 1 1 1	Subtotal Task Survey Lump foot foot foot foot each each each Subtotal Drilling each Subtotal Lab each lump	\$250.00 \$500.00 \$576.00 \$1,080.00 \$1,080.00 \$72.00 \$150.00 \$250.00 \$250.00 \$468.00 \$468.00 \$550.00 \$750.00 \$750.00
Fask 3: Addl Monitoring Well Installation (4 wells)/ Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation 1" well installation Concrete penetration Decontamination Flush Mount Covers Drums _aboratory Services VOC- Soil nvestigative Waste Disposal - 5 Drums Soil (assume Non-Haz Disposal Drums Soil Plck-up / Transport Non Haz	\$500.00 \$8.00 \$15.00 \$15.00 \$15.00 \$6.00 \$50.00 \$150.00 \$50.00 \$150.00 \$150.00 \$150.00 \$75.00	1 72 72 12 3 1 5 5 9 9 5 1 1 1	Subtotal Task Survey Lump foot foot foot foot each each each each Subtotal Drilling each Subtotal Lab each each	\$250.00 \$500.00 \$576.00 \$1,080.00 \$17.00.00 \$150.00 \$250.00 \$250.00 \$4,658.00 \$468.00 \$550.00 \$150.00 \$75.00 \$75.00
Task 3: Addl Monitoring Well Installation (4 wells) Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30") 2" well installation 1" well installation Concrete penetration Decontamination Flush Mount Covers Drums _aboratory Services VOC- Soil nvestigative Waste Disposal - 5 Drums Soil (assume Non-Haz Disposal Drums Soil Pick-up / Transport Non Haz Fuel Surcharge (per trip) Task 4: Groundwater Monitoring at 8 wells (2 quar	\$500.00 \$8.00 \$15.00 \$15.00 \$15.00 \$50.00 \$50.00 \$50.00 \$50.00 \$150.00 \$5150.00 \$52.00 \$110.00 \$150.00 \$50.00	1 72 72 12 3 1 5 5 9 9 5 1 1 1	Subtotal Task Survey Lump foot foot foot each each each Subtotal Drilling each Subtotal Lab each lump I Nonhazardous	\$250.00 \$500.00 \$576.00 \$1,080.00 \$17.00.00 \$150.00 \$250.00 \$250.00 \$4,658.00 \$468.00 \$550.00 \$150.00 \$75.00 \$75.00
Task 3: Addl Monitoring Well Installation (4 wells). Orilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation 1" well installation Concrete penetration Decontamination Flush Mount Covers Drums _aboratory Services VOC- Soil nvestigative Waste Disposal - 5 Drums Soil (assume Non-Haz Disposal Drums Soil Pick-up / Transport Non Haz Fuel Surcharge (per trip) Task 4: Groundwater Monitoring at 8 wells (2 quar _aboratory Services per Round	\$500.00 \$8.00 \$15.00 \$15.00 \$15.00 \$50.00 \$50.00 \$50.00 \$52.00 non-hazardous) \$110.00 \$150.00 \$75.00	1 72 72 72 12 3 1 5 5 5 9 5 1 1 1 total Disposal	Subtotal Task Survey Lump foot foot foot foot each each each Subtotal Drilling each Subtotal Lab each Lump I Nonhazardous Subtotal Task	\$250.00 \$500.00 \$576.00 \$1,080.00 \$17.080.00 \$150.00 \$200.00 \$250.00 \$4,658.00 \$468.00 \$550.00 \$75.00 \$550.00 \$550.00 \$550.00
Task 3: Addl Monitoring Well Installation (4 wells) Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation 1" well installation Concrete penetration Decontamination Flush Mount Covers Drums Laboratory Services VOC- Soil Investigative Waste Disposal - 5 Drums Soil (assume Non-Haz Disposal Drums Soil Pick-up / Transport Non Haz Fuel Surcharge (per trip) Task 4: Groundwater Monitoring at 8 wells (2 quar	\$500.00 \$8.00 \$15.00 \$15.00 \$15.00 \$50.00 \$50.00 \$50.00 \$50.00 \$150.00 \$5150.00 \$52.00 \$110.00 \$150.00 \$50.00	1 72 72 12 3 1 5 5 9 9 5 1 1 1	Subtotal Task Survey Lump foot foot foot foot each each each subtotal Drilling each Subtotal Lab each lump I Nonhazardous Subtotal Task each	\$250.00 \$250.00 \$576.00 \$1,080.00 \$1,080.00 \$200.00 \$250.00 \$4,658.00 \$468.00 \$550.00 \$750.00 \$468.00 \$550.00 \$750.00
Task 3: Addl Monitoring Well Installation (4 wells) Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation 1" well installation Concrete penetration Decontamination Flush Mount Covers Drums Laboratory Services VOC- Soil Investigative Waste Disposal - 5 Drums Soil (assume Non-Haz Disposal Drums Soil Pick-up / Transport Non Haz Fuel Surcharge (per trip) Task 4: Groundwater Monitoring at 8 wells (2 quar Laboratory Services per Round	\$500.00 \$8.00 \$15.00 \$15.00 \$15.00 \$50.00 \$50.00 \$50.00 \$52.00 non-hazardous) \$110.00 \$150.00 \$75.00	1 72 72 72 12 3 1 5 5 5 9 5 1 1 1 total Disposal	Subtotal Task Survey Lump foot foot foot foot each each each Subtotal Drilling each Subtotal Lab each lump I Nonhazardous Subtotal Task each Event Subtotal	\$250.00 \$500.00 \$576.00 \$1,080.00 \$1,080.00 \$72.00 \$150.00 \$250.00 \$250.00 \$4,658.00 \$468.00 \$550.00 \$750.00 \$550.00 \$550.00
Task 3: Addl Monitoring Well Installation (4 wells). Orilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation 1" well installation Concrete penetration Decontamination Flush Mount Covers Drums _aboratory Services VOC- Soil nvestigative Waste Disposal - 5 Drums Soil (assume Non-Haz Disposal Drums Soil Pick-up / Transport Non Haz Fuel Surcharge (per trip) Task 4: Groundwater Monitoring at 8 wells (2 quar _aboratory Services per Round	\$500.00 \$8.00 \$15.00 \$15.00 \$15.00 \$50.00 \$50.00 \$50.00 \$52.00 non-hazardous) \$110.00 \$150.00 \$75.00	1 72 72 72 12 3 1 5 5 5 9 5 1 1 1 total Disposal	Subtotal Task Survey Lump foot foot foot foot each each each subtotal Drilling each Subtotal Lab each lump I Nonhazardous Subtotal Task each	\$250.00 \$500.00 \$576.00 \$1,080.00 \$1,080.00 \$72.00 \$150.00 \$250.00 \$250.00 \$4,658.00 \$468.00 \$550.00 \$750.00 \$750.00 \$469.00
Task 3: Addl Monitoring Well Installation (4 wells) Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation 1" well installation Concrete penetration Decontamination Flush Mount Covers Drums Laboratory Services VOC- Soil Investigative Waste Disposal - 5 Drums Soil (assume Non-Haz Disposal Drums Soil Pick-up / Transport Non Haz Fuel Surcharge (per trip) Task 4: Groundwater Monitoring at 8 wells (2 quar Laboratory Services per Round	\$500.00 \$8.00 \$15.00 \$15.00 \$50.00 \$200.00 \$550.00 \$550.00 \$150.00 \$50.00 \$50.00 \$150.00 \$50.00 \$150.00 \$75.00 \$75.00 \$75.00 \$75.00 \$200.00 \$75.00 \$7	1 72 72 72 12 3 1 5 5 5 9 5 1 1 1 total Disposal	Subtotal Task Survey Lump foot foot foot foot each each each Subtotal Drilling each Lump I Nonhazardous Subtotal Task each Event Subtotal Events	\$250.00 \$500.00 \$576.00 \$1,080.00 \$1,080.00 \$72.00 \$150.00 \$200.00 \$250.00 \$4,658.00 \$468.00 \$550.00 \$75.00 \$550.00 \$75.00 \$4,658.00
Task 3: Addl Monitoring Well Installation (4 wells). Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation 1" well installation Concrete penetration Decontamination Flush Mount Covers Drums Laboratory Services VOC- Soil Investigative Waste Disposal - 5 Drums Soil (assume Non-Haz Disposal Drums Soil Pick-up / Transport Non Haz Fuel Surcharge (per trip) Task 4: Groundwater Monitoring at 8 wells (2 quar Laboratory Services per Round VOC- 9 wells	\$500.00 \$8.00 \$15.00 \$15.00 \$50.00 \$200.00 \$550.00 \$550.00 \$150.00 \$50.00 \$50.00 \$150.00 \$50.00 \$150.00 \$75.00 \$75.00 \$75.00 \$75.00 \$200.00 \$75.00 \$7	1 72 72 72 12 3 1 5 5 5 9 5 1 1 1 total Disposal	Subtotal Task Survey Lump foot foot foot foot each each each Subtotal Drilling each Lump I Nonhazardous Subtotal Task each Event Subtotal Events	\$250.00 \$500.00 \$576.00 \$1,080.00 \$1,080.00 \$150.00 \$200.00 \$250.00 \$250.00 \$4,658.00 \$468.00 \$550.00 \$150.00 \$775.00 \$5,901.00 \$450.00 \$450.00 \$450.00
Task 3: Addl Monitoring Well Installation (4 wells). Drilling Services Mobilization Geoprobe Drill and Sample (3 @ 14, 1 @ 30) Blind Drill (3 @ 14, 1 @ 30') 2" well installation 1" well installation Concrete penetration Decontamination Flush Mount Covers Drums Laboratory Services VOC- Soil Investigative Waste Disposal - 5 Drums Soil (assume Non-Haz Disposal Drums Soil Pick-up / Transport Non Haz Fuel Surcharge (per trip) Task 4: Groundwater Monitoring at 8 wells (2 quar Laboratory Services per Round VOC- 9 wells	\$500.00 \$8.00 \$15.00 \$15.00 \$50.00 \$200.00 \$550.00 \$550.00 \$150.00 \$50.00 \$50.00 \$150.00 \$50.00 \$150.00 \$75.00 \$75.00 \$75.00 \$75.00 \$200.00 \$75.00 \$7	1 72 72 72 12 3 1 5 5 5 9 5 1 1 1 total Disposal	Subtotal Task Survey Lump foot foot foot foot each each each Subtotal Drilling each Subtotal Lab each lump I Nonhazardous Subtotal Task each Event Subtotal Events Subtotal Lab	\$250.00 \$500.00 \$576.00 \$1,080.00 \$1,080.00 \$150.00 \$200.00 \$250.00 \$250.00 \$4,658.00 \$468.00 \$550.00 \$150.00 \$775.00 \$5,901.00 \$450.00 \$450.00 \$450.00

CHANGE ORDER 2 and 3: Jan 14 2019

Tidy Cleaners and Laundry, Green Bay, WI	Tidv	Cleaners	and	Laundry	Green	Bay \	NΙ
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Tidy Cleaners an	d Laundry, Gr		<u> </u>	
	Original	CO 2 email Approved	CO 3 Request Jan	7.410
ITEM DESCRIPTION	Appvd Cost	2017	14 2019	Total Cost
CONSULTING SERVICES Task 1: NR716 Work Plan	¢277 F0			\$277.50
Task 1A : Access Agreements Off-Site Locations	\$277.50	0	\$1,605.00	\$1,605.00
Task 2: Field Investigation: Borings and Grab Water Samples	, v \$840.00	0	\$0.00	\$840.00
Task 3: Monitoring Well Installations	\$1,571.00	0	\$2,426.00	\$3,997.00
Task 4: Groundwater Monitoring	\$3,984.00	750	\$2,302.00	\$7,036.00
Task 5: Install / Sample Indoor Vapor Probes	\$395.00	0	\$665.00	\$1,060.00
Task 6: Data Evaluation and SI Report	\$3,530.00	650	\$3,200.00	\$7,380.00
Task 7: Project Management	\$570.00	0	\$1,300.00	\$1,870.00
Consultant Total: Task 1-7	\$11,167.50	1400	\$11,498.00	\$24,065.50
CONTRACTOR SERVICES				
Task 2: Field Investigation: Borings and Grab Water Samples			40.00	A 4.405.00
Drilling	\$1,195.00	0	\$0.00	\$1,195.00
Lab	\$462.00	0	\$0.00	\$462.00
Task 3: Monitoring Well Installations				
Drilling	\$3,244.00	0	\$4.658.00	\$7,902.00
Lab	\$416.00	0	\$468.00	\$884.00
Drum Disposal	\$550.00	0	\$775.00	\$1,325.00
	_ 			
Task 4: Groundwater Monitoring (4 Events at 4 Wells) Plus 2 E			# 000.00	40,400,00
Lab	\$1,308.00	200	\$900.00	\$2,408.00
Task 5: Install / Sample Indoor Vapor Probes (not needed)	\$200.00	0	\$250.00	\$450.00
Contractor Total: Task 1-7	\$7,375.00	\$200.00	\$7,051.00	\$14,626.00
ractor Total: Task 1-7	\$18,542.50	\$1,600.00	\$18,549.00	\$38,691.50
	, -,-	, , ,	, .,	
TOTAL SITE INVESTIGATION B Consulting	\$11,167.50	\$1,400.00	\$11,498.00	\$24,065.50
Commodity	\$7,375.00	\$200.00	\$7,051.00	\$14,626.00
TOTAL	\$18,542.50	\$1,600.00	\$18,549.00	\$38,691.50
Tidy Cleaners approves of the site investigation costs described above exceed any of these costs without receiving written authorization. The				
Mr. Jim Mohr, Tidy Cleaners Date				
This approval does not guarantee the reimbursement of costs. Final de	_	ing the eligibilit	y of costs will be determ	nined at the time of claim
	review.			
Mr.Keld Lauridsen, WDNR Date				
14 Ion 10				
Mr. Ken Ebbott, Fehr Graham 14-Jan-19 Date				
IVII. IXII E0000, FOII Ofalialii Date				

Lauridsen, Keld B - DNR

From: Ken Ebbott <kebbott@fehr-graham.com>

Sent: Friday, January 11, 2019 2:33 PM **To:** Lauridsen, Keld B - DNR; 'Jim Mohr'

Cc: Ken Ebbott; Dillon Plamann

Subject: BRRTS 02-05-552220 Proposed Scope of Additional Investigation for DERF Site, Tidy

Cleaners, Green Bay

Attachments: 2019 01 11 Proposed Addl Inv Locations.pdf

Tidy Cleaners site, 818 S Broadway, Green Bay, WI BRRTS # 02-05-552220

Keld and Jim,

As we discussed some time ago, additional investigation of the Tidy Cleaners site is needed. Attached is a map showing the proposed boring locations in Purple, and details are provided below on the scope.

The scope for additional SI at Tidy Cleaners in Green Bay is as follows:

- Install two 2-inch monitoring wells (MW-9 and MW-10) on the south adjacent Vanderleest Property. Soil samples will be collected from depths of 3-4' and 11-12' at each boring for VOCs. Total well depths will be 14' with a 10' screen.
- Install monitoring well/piezometer nest (MW-11 and PZ-12) on Tidy Cleaners Property. Soil samples will be collected from depths of 3-4' and 11-12' at the well nest for VOCs. Total well depth of MW-11 will be 14' with a 10' screen. Total well depth of PZ-12 will be 30' with a 5' screen. The well nest will be used to assess sanitary and water utility lines.
- Install soil boring/ 1-inch temporary well (B-13) on Tidy Cleaners Property at the edge of the Broadway Street right of way. Soil samples will be collected from depths of 3-4' and 11-12' for VOCs. Total well depth of 12' with a 10' screen. The boring will be used to assess the gas utility line as a migratory pathway.
- Collect one sub slab vapor sample (SS-1) in office area of building for VOCs.
- Following the installation of the three monitoring wells, one piezometer, and one temporary well, the new wells will be developed and surveyed.
- Collect two rounds of groundwater samples for VOCs from all site wells (9 total). The first round will be collected
 one week after development of the new wells. The second round will be collected 3 months after the first
 round.
- All data will be assessed, and an updated Site Investigation Report will be submitted.

The site is DERF eligible. If you agree with the scope, I will prepare a formal DERF change Order for you and the owner to approve, so the costs will be eligible for DERF reimbursement.

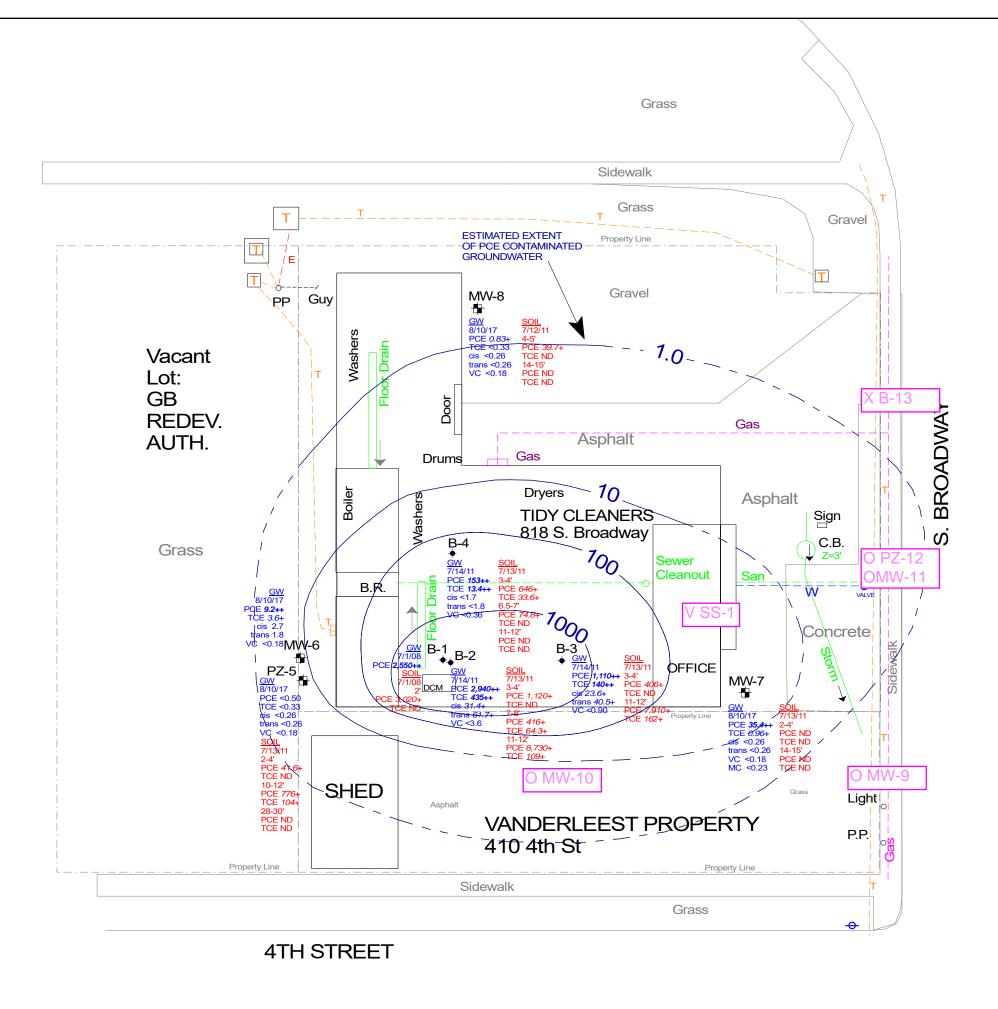
The cost comes out to approximately \$18,500, as there is a lot of drilling and lab included in that total. We also assume we can get access to drill on the neighboring property to the south without too much difficulty.

I look forward to hearing back on the scope. Have a great weekend-

Ken

KENDRICK EBBOTT, PG | Branch Manager Fehr Graham | Engineering & Environmental

909 N. 8th Street I Suite 101 Sheboygan, WI 53081 P: 920.453.0700 C: 920-980-4231 F: 920.453.0750 fehr-graham.com





LEGEND

◆ B-4 Geoprobe Boring w/ Water Sample

MW-8 Monitoring Well

GROUNDWATER

8/10/17 SAMPLE DATE

PCE TETRACHLOROETHENE (ug/L)
TCE TRICHLOROETHENE (ug/L)
cis cis-1,2-DICHLOROETHENE (ug/L)
trans trans-1,2-DICHLOROETHENE (ug/L)

VC VINYL CHLORIDE (ug/L)

ITALICS+ EXCEEDS NR140 PREVENTIVE ACTION LIMIT
BOLD++ EXCEEDS NR140 ENFORCEMENT STANDARD

<u>SOIL</u>

7/13/11 SAMPLE DATE

3-4' SAMPLE DEPTH PCE TETRACHLOROET

PCE TETRACHLOROETHENE (ug/kg)
TCE TRICHLOROETHENE (ug/kg)

ND NO DETECT

ITALICS+ EXCEEDS GROUNDWATER PATHWAY RCL

OMW-9

Proposed Well or Piezometer

-11

Proposed Subslab Vapor Sample

Proposed Soil Boring

X B-13

Note: VOC Analyses

Soil Samples MW-9, 10, 12, 13 : 3-4', 11-12', 29-30' (9 total)

Wells to 14', Piezometer to 30'

B-13 to 12', 1" Temp well for GW and utility eval

1 Subslab Vapor

GW Chem all wells two events (18 total)

TITLE: INVESTIGATION WITH

SCALE - 1"-20"

PROPOSED ADDITIONAL

Soil and Groundwater Chemistry

Tidy Cleaners
Green Bay, WI 54304

SCALE DESCRIPTION
1"=20'

DESCRIPTION TID-2010-01



DATE 9/19/12 FILE CODE base map.skf

KAE FIGURE

D-2010-01 DRAWN BY KAI