

**From:** [Dillon Plamann](#)  
**To:** [Hnat, John J - DNR](#)  
**Subject:** RE: Master Drycleaning  
**Date:** Wednesday, July 1, 2020 8:45:07 AM  
**Attachments:** [15-1209 - Master Drycleaning - Change Order #5 Revision.pdf](#)

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John,

My apologies, the excel table didn't update. Attached is the correct version. If you have any other questions please let me know.

Thank you!

**DILLON PLAMANN | Project Hydrogeologist**  
**Fehr Graham | Engineering & Environmental**

909 North 8<sup>th</sup> Street, Suite 101  
Sheboygan, WI 53081  
P: 920.453.0700  
C: 920.946.2407  
[fehr-graham.com](http://fehr-graham.com)

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**From:** Hnat, John J - DNR <[John.Hnat@wisconsin.gov](mailto:John.Hnat@wisconsin.gov)>  
**Sent:** Tuesday, June 30, 2020 4:25 PM  
**To:** Dillon Plamann <[DPlamann@fehr-graham.com](mailto:DPlamann@fehr-graham.com)>  
**Subject:** RE: Master Drycleaning

Dillion,

Table A is incorrect. Shouldn't the total be \$11,769 instead of \$10,969? Also, I didn't check the spreadsheet yet, so double check the entries for any incorrect totals and send along the revision(s).

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**From:** Dillon Plamann <[DPlamann@fehr-graham.com](mailto:DPlamann@fehr-graham.com)>  
**Sent:** Monday, June 29, 2020 4:16 PM  
**To:** Hnat, John J - DNR <[John.Hnat@wisconsin.gov](mailto:John.Hnat@wisconsin.gov)>  
**Subject:** RE: Master Drycleaning

Hi John,

Attached is the revised version of Change Order #5 including the additional \$800 for the injection chemicals. Please let me know if you have any questions.

Thanks!

**DILLON PLAMANN | Project Hydrogeologist**  
**Fehr Graham | Engineering & Environmental**

909 North 8<sup>th</sup> Street, Suite 101  
Sheboygan, WI 53081  
P: 920.453.0700  
C: 920.946.2407  
[fehr-graham.com](http://fehr-graham.com)

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**From:** Hnat, John J - DNR <[John.Hnat@wisconsin.gov](mailto:John.Hnat@wisconsin.gov)>  
**Sent:** Friday, June 19, 2020 7:53 AM  
**To:** Dillon Plamann <[DPlamann@fehr-graham.com](mailto:DPlamann@fehr-graham.com)>  
**Subject:** RE: Master Drycleaning  
**Importance:** High

Matt,

You'll need to send me another letter like the one on May 13<sup>th</sup>, as Change Order #5, Revisions, reflecting the increased cost (\$800) and change both tables and the spreadsheet reflecting the additional cost. Then I'll send out the approval letter. The DNR has to be consistent in the documentation. Thanks

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**From:** Dillon Plamann <[DPlamann@fehr-graham.com](mailto:DPlamann@fehr-graham.com)>  
**Sent:** Thursday, June 18, 2020 3:34 PM  
**To:** Matt Dahlem <[mdahlem@fehr-graham.com](mailto:mdahlem@fehr-graham.com)>; Hnat, John J - DNR <[John.Hnat@wisconsin.gov](mailto:John.Hnat@wisconsin.gov)>  
**Subject:** RE: Master Drycleaning

Hi John,

Just a follow up here from the email yesterday. Change Order #5 has already been approved, the only additional approval we need is the extra \$800 for the injection chemicals as the price has increased since the original approval.

If that is acceptable, please reply to this email indicating that. Thank you!

**DILLON PLAMANN | Project Hydrogeologist**  
**Fehr Graham | Engineering & Environmental**

909 North 8<sup>th</sup> Street, Suite 101  
Sheboygan, WI 53081  
P: 920.453.0700  
C: 920.946.2407  
[fehr-graham.com](http://fehr-graham.com)

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**From:** Matt Dahlem <[mdahlem@fehr-graham.com](mailto:mdahlem@fehr-graham.com)>  
**Sent:** Wednesday, June 17, 2020 12:01 PM  
**To:** Hnat, John J - DNR <[John.Hnat@wisconsin.gov](mailto:John.Hnat@wisconsin.gov)>  
**Cc:** Dillon Plamann <[DPlamann@fehr-graham.com](mailto:DPlamann@fehr-graham.com)>  
**Subject:** Master Drycleaning

John,

See attached and below for client approvals and please let me know if DNR approves. If you do not want to sign attached, an email approval will be fine.

Thanks!

Matt

**MATT DAHLEM, PG | Branch Manager**  
**Fehr Graham | Engineering & Environmental**

909 North 8<sup>th</sup> Street, Suite 101  
Sheboygan, Wisconsin 53081  
P: 920.453.0700  
[fehr-graham.com](http://fehr-graham.com)

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**From:** Tom Shipshock <[tshipshock@hydro-flo.com](mailto:tshipshock@hydro-flo.com)>

**Sent:** Wednesday, June 17, 2020 10:34 AM

**To:** Dillon Plamann <[DPlamann@fehr-graham.com](mailto:DPlamann@fehr-graham.com)>; Donald P. Gallo <[DGallo@axley.com](mailto:DGallo@axley.com)>

**Cc:** Matt Dahlem <[mdahlem@fehr-graham.com](mailto:mdahlem@fehr-graham.com)>

**Subject:** RE: Can I get an update on each of these matters?

Dillon,

Please see attached.

So three things that I will need from you when you can Tom:

- Please sign the attached Change Order #5 indicating that you approve of these costs that the DNR has approved for reimbursement through DERF. *See attached.*
- Please indicate that the \$75 application fee for access permission from the City of Wauwatosa. This will not be reimbursable. *Acceptable.*
- And last, please indicate that the additional \$800 for the injection chemicals is acceptable. This should be reimbursable through DERF, but I need to get approval from John. This approval is most important at the moment because the chemicals take 3 weeks to order/ship, so we will want to get them ordered by the end of this week at the latest. *Acceptable.*

Tom Shipshock (For Harold Shipshock)  
414-313-9168

June 29, 2020

Mr. John Hnat  
Wisconsin Department of Natural Resources  
2300 North Dr. Martin Luther King Jr. Drive  
Milwaukee, WI 53212

RE: Change Order #5, Revisions  
Master Drycleaning Inc.  
6326 West Bluemound Road  
Wauwatosa, WI  
BRRTS # 02-41-545142

Dear Mr. Hnat:

Three additional wells (MW-15, MW-16, and MW-17) were installed in December 2018 to define the extent of soil and groundwater contamination at the site listed above. Based on the soil and groundwater results from these wells and results from previously installed wells, additional soil borings and groundwater monitoring wells will need to be installed to define the extent of contamination. Additionally, the cost of chemicals for the EZVI injection, described in Change Order #4, has increased. The additional cost is included in this change order. This report summarizes the scope of work and DERF budget needed to take this project to case closure.

The following DERF-eligible tasks, actions, and costs are proposed:

- Task 0/Task 100: Project Management
- Task 3/Task 103: Addition of EZVI/DHC Bacteria
- Task 105: Well Installation and Soil Sampling to Delineate Extent
- Task 6/106: Groundwater Monitoring
- Task 7/107: Groundwater Monitoring Status Reports
- Task 9/109: Well Abandonment

Details follow on a Task by Task basis.

#### **DERF Scope of Work**

##### Task 0/Task 100: Project Management

Due to the increased scope, additional time is needed to continue correspondence, off-site property owner sharing of information, access to the City of Wauwatosa right of way for well installations and permits/permission, updates, bidding, and overall management of the project scope and budget.

##### Task 3/Task 103: Addition of EZVI/DHC Bacteria

Fehr Graham was notified by the chemical contractor that the cost of the chemicals for the EZVI injection, described in Change Order #4, has increased. The scope for this task has not changed.

#### Task 105: Well Installation and Soil Sampling to Delineate Extent

Additional soil and groundwater investigation north of MW-16 and to the west of North 64<sup>th</sup> Street is proposed. Three, 2.5-inch outside diameter macrocore geoprobe borings will be advanced at locations approximately 100 feet north MW-16, approximately 60 feet west of SMW-10, and approximately 40 feet west of SMW-14. Existing monitoring well SMW-13 already defines the extent of impacts straight north of well SMW-11.

The three proposed wells (MW-18, MW-19, and MW-20) will be installed within the west side of N. 64<sup>th</sup> Street right of way in the grass buffer just west of 64<sup>th</sup> Street and permission will be obtained from the City of Wauwatosa. Proposed well MW-18 will be installed in the right of way adjacent to 519 N. 64<sup>th</sup> Street. Proposed well MW-19 will be installed in the right of way adjacent to 533 N. 64<sup>th</sup> Street. Proposed well MW-20 will be installed in the right of way adjacent to 559 N. 64<sup>th</sup> Street.

At each drilling location, a boring will be advanced to a depth of 20 feet, geologically logged, and a small diameter monitoring well will be installed with a 10-foot screened interval and filter pack sand/bentonite surface seal. The wells will be completed flush with the ground surface and protected using a 4-inch diameter traffic weight cover. Two soil samples per boring will be retained for laboratory analysis of VOCs (six total).

The wells will be added to the monitoring well network for the site and will be surveyed and developed. On May 28, 2018, the WDNR provided a variance from the NR141 well construction code that is necessary for use of small diameter wells MW-15, MW-16, and MW-17. Another variance from the NR141 well construction code is requested for the installation of monitoring wells MW-18, MW-19, and MW-20.

The three new monitoring wells (MW-18 to MW-20) are proposed to be installed during the previously approved EZVI and DHC bacteria geoprobe injection. The injection was approved as part of Change Order #4.

#### Task 106: Groundwater Monitoring

Following injection, two more rounds of groundwater sampling are expected to be necessary, one a minimum of four months after the proposed injection, and the second approximately eight months after injection. These two rounds of groundwater sampling have already been approved in Change Order #4 and the costs of sampling the additional three proposed wells will be added to the approved costs. Sampling will be completed from all 22 existing and three proposed wells, and will include testing for field parameters, water level elevations, and laboratory analysis of VOCs.

#### Task 107: Groundwater Monitoring Status Reports

Upon receipt of each round of the laboratory analyses, the data will be tabulated and plotted. After the additional soil borings and injection is complete, a summary report, including the results of the soil and groundwater chemistry testing from the new locations, will be sent to the DNR.

As has been performed after each sample event, information will be sent to the private well owners that have monitoring wells on their property.

After each full round of groundwater sampling, the data will be processed and a summary sent to the DNR via email. Assuming the results appear suitable, a request for case closure will be recommended after the second.

A majority of the reporting costs were approved in Change Order #4, and the costs of data entry, evaluation, and reporting for the additional three wells will be added to the approved costs.

Task 109: Well Abandonment

With the installation of additional monitoring wells, three wells, there will be more cost associated with well abandonment upon closure of the project.

**Schedule**

Assuming approval can be provided in June 2020, the project schedule is broken out as follows:

June 2020	Approval
July 2020	Injection and Additional Soil Borings/Well Installation
November 2020	Groundwater Sampling All Wells, 4 months after Injection
November 2020	Data Evaluation/Reporting
March 2021	Groundwater Sampling All Wells, 8 months after Injection
March 2021	Data Evaluation/Report/Closure Potential
May 2021	If approved by DNR, Closure Request Submittal
July 2021	DNR Closure Provided
August 2021	Well Abandonment, VPLE Insurance Requested
September 2021	WDNR Issues VPLE Certificate of Closure

**Authorization**

I trust this information meets your needs and look forward to approval of the attached cost estimate and budget request.

Sincerely,



Matt Dahlem, PG  
Branch Manager

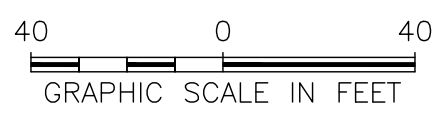
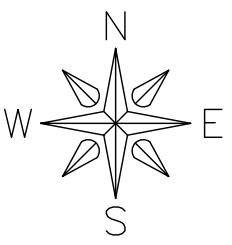
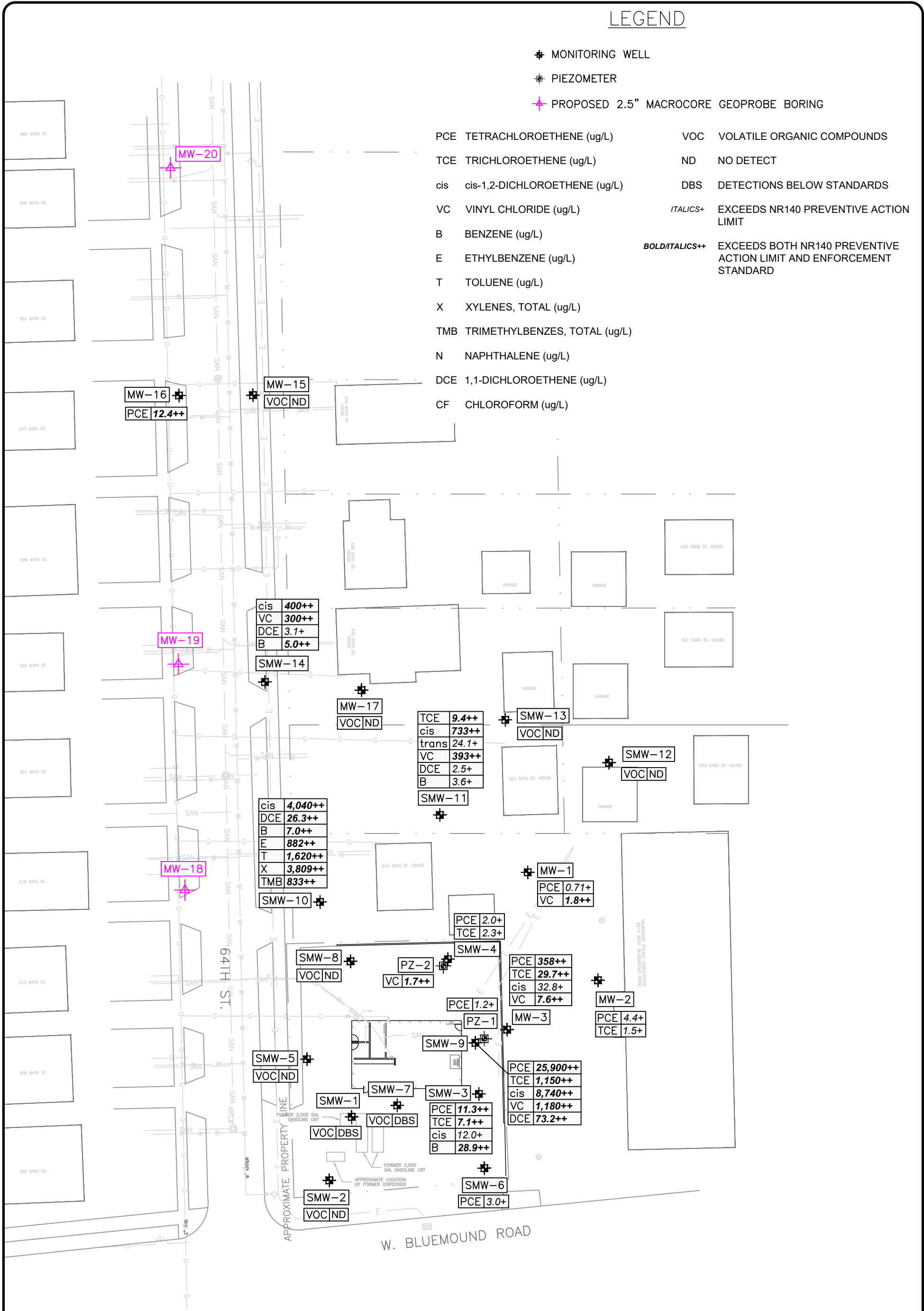
**Attachments:**

- Figure 101: Proposed Additional Monitoring Well Locations
- Table A: Change Order #5, Revision, June 29, 2020
- DERF Change Order # 5 June 29, 2020
- DERF Linking Spreadsheet June 29, 2020

# LEGEND

- ✦ MONITORING WELL
- ⊕ PIEZOMETER
- ✦ PROPOSED 2.5" MACROCORE GEOPROBE BORING

PCE	TETRACHLOROETHENE (ug/L)	VOC	VOLATILE ORGANIC COMPOUNDS
TCE	TRICHLOROETHENE (ug/L)	ND	NO DETECT
cis	cis-1,2-DICHLOROETHENE (ug/L)	DBS	DETECTIONS BELOW STANDARDS
VC	VINYL CHLORIDE (ug/L)	<i>ITALICS+</i>	EXCEEDS NR140 PREVENTIVE ACTION LIMIT
B	BENZENE (ug/L)	<b><i>BOLD/ITALICS++</i></b>	EXCEEDS BOTH NR140 PREVENTIVE ACTION LIMIT AND ENFORCEMENT STANDARD
E	ETHYLBENZENE (ug/L)		
T	TOLUENE (ug/L)		
X	XYLENES, TOTAL (ug/L)		
TMB	TRIMETHYLBENZES, TOTAL (ug/L)		
N	NAPHTHALENE (ug/L)		
DCE	1,1-DICHLOROETHENE (ug/L)		
CF	CHLOROFORM (ug/L)		



<b>FEHR GRAHAM</b> ENGINEERING & ENVIRONMENTAL	ILLINOIS	TITLE: PROPOSED BORINGS & 8/13/19 GROUNDWATER CHEMISTRY
	IOWA	
MASTER DRYCLEANING INC. 6326 W. BLUEMOUND RD. WAUWATOSA, WI 53213	WISCONSIN	BRRTS: 02-41-545142 JOB NO.: 15-1209 PLOT DATE: 5/13/20
DRWN: MKH DATE: 01/17/14 APPD: KE		FIGURE: 1

TABLE A: Change Order #5, Revision, DERF Eligible Items Additional Soil Borings and Well Installation 6/29/2020 Master Drycleaner, 6326 W. Bluemound Road, Wauwatosa, WI				
ITEM DESCRIPTION	Unit Price	Quantity	Units	Total Cost
<b>Consultant Services</b>				
<b>Task 0 / Task 100: Project Management</b>				
Sr. Hydrogeologist	\$100.00	10	hour	\$1,000.00
Administrative	\$60.00	4	hour	\$240.00
<b>Subtotal Task</b>				<b>\$1,240.00</b>
<b>Task 3 / Task 103: Addition of EZVI / DHC Bacteria</b>				
<i>Additional costs for injection chemicals</i>				
Additional Chemical Cost	\$800.00	1	lump	\$800.00
<b>Subtotal Task</b>				<b>\$800.00</b>
<b>Task 105: Well Installation and Soil Sampling to Delineate Extent</b>				
<i>Three Geoprobe Borings with 1-inch wells (MW-18 to MW-20), access in ROW, Drill, Develop, Survey</i>				
Sr. Hydrogeologist (access, utilities)	\$100.00	10	hour	\$1,000.00
Field Technician / Geologist (travel, drill)	\$70.00	8	hour	\$560.00
Field Technician / Geologist (travel, develop, survey)	\$70.00	8	hour	\$560.00
Drafting	\$60.00	4	hour	\$240.00
<b>Subtotal Task</b>				<b>\$2,360.00</b>
<b>Task 6 / Task 106: Groundwater Monitoring</b>				
<i>Additional budget for 3 additional wells for 2 rounds</i>				
Sr. Hydrogeologist	\$100.00	4	hour	\$400.00
Field Technician / Geologist (GW Samples)	\$60.00	6	hour	\$360.00
Drafting	\$60.00	2	hour	\$120.00
<b>Subtotal Task</b>				<b>\$880.00</b>
<b>Task 7 / Task 107: Groundwater Monitoring Status Reports</b>				
<i>Additional budget for off site wells comm., samples, data evaluation and reporting</i>				
Sr. Hydrogeologist (off site letters)	\$100.00	4	hour	\$400.00
Sr. Hydrogeologist (status reports)	\$100.00	16	hour	\$1,600.00
Field Technician / Geologist (Data Entry)	\$70.00	10	hour	\$700.00
Drafting	\$60.00	10	hour	\$600.00
<b>Subtotal Task</b>				<b>\$3,300.00</b>
<b>Task 9 / 109: Well Abandonment</b>				
<i>Additional time for additional wells since original bid</i>				
Sr. Hydrogeologist	\$100.00	1	hour	\$100.00
Field Technician / Geologist	\$70.00	5	hour	\$350.00
Supplies	\$25.00	1	each	\$25.00
<b>Subtotal Task</b>				<b>\$475.00</b>
<b>CONSULTING SERVICES TOTAL</b>				<b>\$9,055.00</b>
<b>Contractor Services</b>				
<b>Task 105: Well Installation and Soil Sampling to Delineate Extent</b>				
<i>Three Geoprobe Borings with 1-inch wells (MW-18 to MW-20), access in ROW, Drill, Develop, Survey</i>				
Geoprobe Contractor				
Mob	\$500.00	1	day	\$500.00
Drill / Sample	\$9.50	60	foot	\$570.00
Well Install	\$9.20	60	foot	\$552.00
Flush Mount Covers	\$135.00	3	each	\$405.00
Decon	\$75.00	1	day	\$75.00
Laboratory				
VOCs - Soil	\$52.00	6	each	\$312.00
<b>Subtotal Task</b>				<b>\$2,414.00</b>
<b>Task 6 / Task 106: Groundwater Monitoring</b>				
<i>Additional budget for 3 additional wells for 2 rounds</i>				
Laboratory				
VOCs - Groundwater	\$50.00	6	each	\$300.00
<b>Subtotal Task</b>				<b>\$300.00</b>
<b>CONTRACTOR SERVICES TOTAL</b>				<b>\$2,714.00</b>
<b>TOTAL ESTIMATED COST</b>				<b>\$11,769.00</b>
Master Drycleaners Inc. approves of the site remediation 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.				
_____			_____	
Master Cleaners Inc.			Date	
This approval does not guarantee the reimbursement of costs. Final determination regarding the eligibility of costs will be determined at the time of claim review.				
_____			_____	
Mr. J. Hnat, WDNR Project Manager			Date	
_____			_____	
Mr. Matt Dahlem, Fehr Graham			Date	



**CHANGE ORDER # 5 REVISION: June 29, 2020**  
 Master Cleaners, Wauwatosa, WI BRRTS # 02-41-545142

DESCRIPTION	Unit Price	Quant.	Units	Total ADDL Cost	Prior Apprvd Cost	TOTAL COST
<b>CONSULTANT SERVICES</b>						
Task O / 100: Project Management	See Table A			1240	15740	16980
Task A : Remove DCM					0	0
Task B: Geoprobe Borings Inside Bldg					1685	1685
Task C: Subslab Vapor Sample / Analysis					1765	1765
Task C1: Subslab Vapor Sample / Analysis Neighbor to East, 2nd North					2305	2305
Task C2 : Subslab Vapor System Neighbor to North					1340	1340
Task C3 Subslab Vapor System Second Neighbor to North (if needed)					1340	1340
Task D Floor Drain Removal, Chem Treat Sub Building					2390	2390
Task E Vapor Mit System Instln with three comm tests and two chem tests					4750	4750
Task E1: Vapor Occupancy Request (not DERF Eligible)					1600	1600
Task 1 RA Report, WPDES Permit, Notifications, Access					5280	5280
Task 2 Pre-Inj. Baseline GW Sampling (18 wells) Indoor Util Locate					3087	3087
Task 3 Injection					10760	10760
Task 103 Addition of EZVI and DHC Bacteria with RA Doc Report					13025	13025
Task 4 Post Inj GW Monitor 4 months					3431	3431
Task 5 Inj Doc Report					2880	2880
Task 105 Well Installation and GW Sampling to Delineate Extent	See Table A			2360	4540	6900
Task 6 / 106 GW Monitoring	See Table A			880	14338	15218
Task 7 / 107 GW Monitor Status	See Table A			3300	13740	17040
Task 8 / 108 Closure Request					11520	11520
Task 9/109 Well Abandonment	See Table A			475	3160	3635
						0
Task F Addl Assessment Utility Corridors					2270	2270
Task G Landfill Disposal Approval					2020	2020
Task H Soil Excvn and Disposal					5800	5800
Task I Contingency Chemical Addn under Building Post Excvn					3550	3550
Task J Documentation Report					4980	4980
<b>Total Consultant</b>				<b>8255</b>	<b>137296</b>	<b>145551</b>
<b>CONTRACTOR SERVICES</b>						
Task A Remove DCM					0	0
Task B Geoprobe Borings inside Bldg					1853	1853
Task C Subslab Vapor Sample / Analysis					576	576
Task C1: Subslab Vapor Sample / Analysis Neighbor to East					1152	1152
Task C2 : Subslab Vapor System Neighbor to North					2750	2750
Task C3 Subslab Vapor System Second Neighbor to North (if needed)					2750	2750
Task D Floor Drain Removal, Chem Treat Sub-Building					8473.5	8473.5
Task E Vapor Mit System Instln with three comm tests and two chem tests					3726	3726
Task 2 Pre-Inj Baseline GW Sample (18 wells) Indoor Util locate					1300	1300
Task 3 Injection Outside					14723.5	14723.5
Task 103 Addition of EZVII/ DHC Bacteria	See Table A			800	32587	33387
Task 4 Post Inj Monitor 4 months Lab GW					900	900
Task 105 Well Installation and GW Sampling to Delineate Extent	See Table A			2414	3812	3812
Task 6 GW Monitoring	See Table A			300	6700	6700
Task F Addl Assessment Utility Corridors					3903	3903
Task H Soil Excvn and Disposal					31195	31195
Task I Contingency Chemical Addn under Building Post Excvn					6375	6375
<b>Total Contractor</b>				<b>3514</b>	<b>122776</b>	<b>126290</b>
<b>TOTALS</b>				<b>11769</b>	<b>260072</b>	<b>271841</b>

Master Drycleaners Inc. approves of the site remediation 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.

\_\_\_\_\_  
 Master Drycleaners Inc. Date

This approval does not guarantee the reimbursement of costs. Final determination regarding the eligibility of costs will be determined at the time of claim review.

\_\_\_\_\_  
 Mr. J. Hnat, WDNR Project Manager Date

\_\_\_\_\_  
 Mr. Matt Dahlem, Fehr Graham 13-May-20

