Meridian Environmental Consulting, LLC

May 13, 2018

Carrie Stoltz
Wisconsin Department of Natural Resources
107 Sutliff Avenue
Rhinelander, Wisconsin 54501

Subject: **Change Order: Survey and Ground Water Sampling (REI)**

Site(s):

Autostop (former)
119 W. 9th Street North
Ladymith, Wisconsin 54848
BRRTS No. 03-55-282548
PECFA No. 54848-1295-19
Meridian No. 05F630

Doug's Tire (former)
811 Lake Ave W.
Ladysmith, Wisconsin 54848
BRRTS No. 03-55-000408
PECFA No. 54848-1215-11
Meridian No. 05F786

Dear Carrie:

Per your May 11, 2018 email, this Change Order is for the following tasks:

1. **Survey Selected Well Locations and Elevations at the two sites**

REI (consultant for Jennerman site) has proposed surveying the elevation and location of various monitoring wells at the 3 sites known as Jennerman, Autostop, and Doug's Tire. The surveyed point on each well casing will be marked with a Sharpie. The depth to water in each well will be measured.

REI will also establish a benchmark at each site (suggest northeast bolt on sign at Autostop and northeast bolt on stoplight base at Dougs).

REI will provide Meridian with an AutoCadd file of all 3 sites based on this survey as well as the elevation data for each well and benchmark.

The cost for this Task will be billed to the Jennerman site.

As you know, the Autostop and Dougs sites have an operating SVE system. Therefore, only the following wells will be surveyed:

Autostop: MW-100, MW-300, MW-400, MW-500, MW-600, MW-700, MW-700A, MW-700B, MW-900, MW-1000, MW-1100

Doug's: MW-1, MW-2, MW-4, MW-5, MW-100 (on Dairy Queen Property), MW-101 (8th Street), MW-103, PZ-100

Attached is a schematic illustrating the locations of the monitoring wells at the 3 sites.

2. Sample Selected Wells

REI has also proposed sampling various wells. Due to the ongoing SVE system operation, this data is of limited value to the Autostop and Doug's sites. Therefore, we recommend only the following wells be sampled (PVOC+Naphthalene):

Autostop: MW-600, MW-700, MW-700A, MW-700B

Doug's: MW-1, MW-2, MW-4, MW-5, MW-103, PZ-100

Purge water will be stored in existing drums inside the SVE system fence. Meridian will dispose of this purge water.

COST

Our estimate of the costs for this work is included with this letter. These costs will be applied to each site as shown on the attached U&C spreadsheets. REI will invoice Meridian for the labor and analytical costs. Meridian will be reimbursed from PECFA per the attached U&C spreadsheets.

Sincerely,
MERIDIAN ENVIRONMENTAL CONSULTING, LLC

Kenneth Shimko, PG
Project Manager

C: Dave Larson - REI

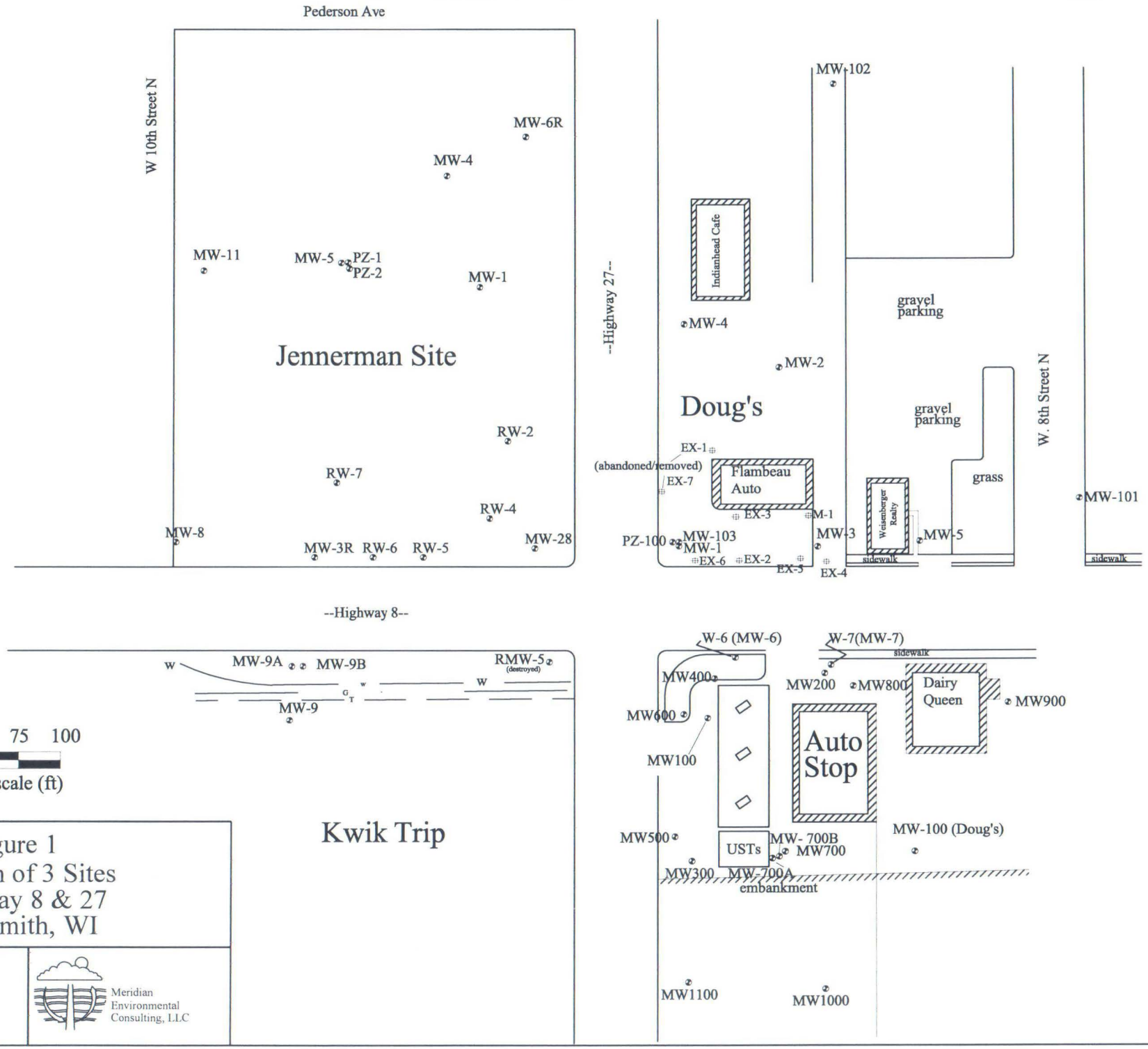

Figure 1
Diagram of 3 Sites
Highway 8 & 27
Ladysmith, WI

PROJECT NO.
05F630

DATE
11/15/17

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Meridian Environmental Consulting, LLC

Usual and Customary Standardized Invoice #23
January 2018- June 2018

RR-092a

PECFA #: 54848-1295-19
BRRTS #: 03-55-282548
Site Name: Autostop
Site Address: Ladysmith

Vendor Name: Change Order
Invoice #: Change Order
Invoice Date: May 12, 2018
Check #: Change Order

U&C Total	$	453.31
Variance to U&C Total	$	-
Grand Total	$	453.31

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT		MAX UNIT COST	UNITS		TOTAL MAX
1	GW Sampling		GS05	Sample Collection (MW-600,-700,-700A,-700B)	Well	$	72.45	4	$	289.80
4	Waste Disposal	Commodity	WD10	GW Sample and/or Purge	Drum	$	42.11	1	$	42.11
33	Schedule Of Laboratory Maximums	Commodity		Laboratory (see task 33 total on Lab Schedule)	Lab Schedule			4	$	121.40
Variance										
Variance										

Usual and Customary Standardized Invoice #23
January 2018- July 2018

RR-092A

TOTAL LAB CHARGES	$ 121.40	TASK 33	4	$ 121.40	TASK 24	0	$ -

MATRIX	REF CODE	REIMBURSABLE ANALYTE	UNITS	MAX COST	SAMPLES	TOTAL	MAX COST	SAMPLES	TOTAL
AIR	A1	Benzene	SAMPLE	$ 44.94		$ -			
AIR	A2	BETX	SAMPLE	$ 49.46		$ -			
AIR	A3	GRO	SAMPLE	$ 46.10		$ -			
AIR	A4	VOC's	SAMPLE	$ 71.93		$ -			
WATER	W1	GRO/PVOC	SAMPLE	$ 29.19		$ -			
WATER	W2	PVOC	SAMPLE	$ 26.99		$ -			
WATER	W3	PVOC + 1,2 DCA	SAMPLE	$ 43.79		$ -			
WATER	W4	PVOC + Naphthalene	SAMPLE	$ 30.35	4	$ 121.40			
WATER	W5	VOC	SAMPLE	$ 71.93		$ -			
WATER	W6	PAH	SAMPLE	$ 72.98		$ -			
WATER	W7	Lead	SAMPLE	$ 12.39		$ -			
WATER	W8	Cadmium	SAMPLE	$ 13.55		$ -			
WATER	W9	Hardness	SAMPLE	$ 12.39		$ -			
WATER	W10	BOD, Total	SAMPLE	$ 23.63		$ -			
WATER	W11	Nitrate	SAMPLE	$ 11.24		$ -			
WATER	W12	Total Kjeldahl	SAMPLE	$ 20.27		$ -			
WATER	W13	Ammonia	SAMPLE	$ 16.91		$ -			
WATER	W14	Sulfate	SAMPLE	$ 10.19		$ -			
WATER	W15	Iron	SAMPLE	$ 10.19		$ -			
WATER	W16	Manganese	SAMPLE	$ 10.19		$ -			
WATER	W17	Alkalinity	SAMPLE	$ 10.19		$ -			
WATER	W18	methane	SAMPLE	$ 46.10		$ -			
WATER	W19	Phosphorous	SAMPLE	$ 18.06		$ -			
WATER	W20	VOC Method 524.2	SAMPLE	$ 176.30		$ -			
WATER	W21	EDB Method 504	SAMPLE	$ 95.45		$ -	MAX COST	SAMPLES	TOTAL
SOILS	S1	GRO	SAMPLE	$ 24.78		$ -	$ 24.78		$ -
SOILS	S2	DRO	SAMPLE	$ 30.35		$ -	$ 30.35		$ -
SOILS	S3	GRO/PVOC	SAMPLE	$ 28.14		$ -	$ 28.14		$ -
SOILS	S4	PVOC	SAMPLE	$ 25.83		$ -	$ 25.83		$ -
SOILS	S5	PVOC + 1,2 DCA + Naphthalene	SAMPLE	$ 49.46		$ -	$ 49.46		$ -
SOILS	S6	PVOC + Naphthalene	SAMPLE	$ 36.02		$ -	$ 36.02		$ -
SOILS	S7	VOC	SAMPLE	$ 71.93		$ -	$ 71.93		$ -
SOILS	S8	SPLP Extraction VOC only	SAMPLE	$ 50.61		$ -	$ 50.61		$ -
SOILS	S9	PAH	SAMPLE	$ 72.98		$ -	$ 72.98		$ -
SOILS	S10	Lead	SAMPLE	$ 12.39		$ -	$ 12.39		$ -
SOILS	S11	Cadmium	SAMPLE	$ 14.60		$ -		TASK 24 TOTAL	$ -
SOILS	S12	Free Liquid	SAMPLE	$ 11.24		$ -			
SOILS	S13	Flash Point	SAMPLE	$ 25.83		$ -			
SOILS	S14	Grain Size - dry	SAMPLE	$ 42.74		$ -			
SOILS	S15	Grain Size - wet	SAMPLE	$ 57.33		$ -			
SOILS	S16	Bulk Density	SAMPLE	$ 13.55		$ -			
SOILS	S17	Permeability	SAMPLE	$ 41.58		$ -			
SOILS	S18	Nitrogen as Total Kjeldahl	SAMPLE	$ 20.27		$ -			
SOILS	S19	Nitrogen as Ammonia	SAMPLE	$ 16.91		$ -			
SOILS	S20	% Organic Matter	SAMPLE	$ 29.19		$ -			
SOILS	S21	TOC as NPOC	SAMPLE	$ 57.33		$ -			
SOILS	S22	Soil Moisture Content	SAMPLE	$ 6.83		$ -			
SOILS	S23	Air Filled Porosity	SAMPLE	$ 25.83		$ -			
SOILS	S24	% Total Solids	SAMPLE	$ 6.83		$ -			
SOILS	S25	Field Capacity	SAMPLE	$ 28.14		$ -			
SOILS	S26	TCLP Lead	SAMPLE	$ 83.16		$ -			
SOILS	S27	Cation Exchange (Ca, MG, & K)	SAMPLE	$ 26.99		$ -			
SOILS	S28	TCLP Cadmium	SAMPLE	$ 83.16		$ -			
SOILS	S29	TCLP Benzene	SAMPLE	$ 83.16		$ -			
LNAPL	LFPS01	Viscosity + Density Interfacial tension I (LNAPL/water [dyne/cm]) Interfacial tension II (LNAPL/air [dyne/cm]) Interfacial tension III (water/air) [dyne/cm])	SAMPLE	$ 561.33		$ -			
						TASK 33 TOTAL	$ 121.40		

Usual and Customary Standardized Invoice #23
January 2018- June 2018

RR-092a

PECFA #: 54848-1215-11
BRRTS #: 03-55-000408
Site Name: Doug's
Site Address: Ladysmith

Vendor Name: Change Order
Invoice #: Change Order
Invoice Date: May 12, 2018
Check #: Change Order

U&C Total	$	658.91
Variance to U&C Total	$	-
Grand Total	$	658.91

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT		MAX UNIT COST	UNITS		TOTAL MAX
1	GW Sampling		GS05	Sample Collection (MW-1, -2, -4, -5, -103, PZ-100)	Well	$	72.45	6	$	434.70
4	Waste Disposal	Commodity	WD10	GW Sample and/or Purge	Drum	$	42.11	1	$	42.11
33	Schedule Of Laboratory Maximums	Commodity		Laboratory (see task 33 total on Lab Schedule)	Lab Schedule			6	$	182.10
Variance										
Variance										

Usual and Customary Standardized Invoice #23
January 2018- July 2018

RR-092A

			TOTAL LAB CHARGES	$ 182.10		TASK 33	6	$ 182.10	TASK 24		0	$ -
MATRIX	REF CODE	REIMBURSABLE ANALYTE	UNITS		MAX COST	SAMPLES	TOTAL		MAX COST	SAMPLES	TOTAL	
AIR	A1	Benzene	SAMPLE	$	44.94		$ -					
AIR	A2	BETX	SAMPLE	$	49.46		$ -					
AIR	A3	GRO	SAMPLE	$	46.10		$ -					
AIR	A4	VOC's	SAMPLE	$	71.93		$ -					
WATER	W1	GRO/PVOC	SAMPLE	$	29.19		$ -					
WATER	W2	PVOC	SAMPLE	$	26.99		$ -					
WATER	W3	PVOC + 1,2 DCA	SAMPLE	$	43.79		$ -					
WATER	W4	PVOC + Naphthalene	SAMPLE	$	30.35	6	$ 182.10					
WATER	W5	VOC	SAMPLE	$	71.93		$ -					
WATER	W6	PAH	SAMPLE	$	72.98		$ -					
WATER	W7	Lead	SAMPLE	$	12.39		$ -					
WATER	W8	Cadmium	SAMPLE	$	13.55		$ -					
WATER	W9	Hardness	SAMPLE	$	12.39		$ -					
WATER	W10	BOD, Total	SAMPLE	$	23.63		$ -					
WATER	W11	Nitrate	SAMPLE	$	11.24		$ -					
WATER	W12	Total Kjeldahl	SAMPLE	$	20.27		$ -					
WATER	W13	Ammonia	SAMPLE	$	16.91		$ -					
WATER	W14	Sulfate	SAMPLE	$	10.19		$ -					
WATER	W15	Iron	SAMPLE	$	10.19		$ -					
WATER	W16	Manganese	SAMPLE	$	10.19		$ -					
WATER	W17	Alkalinity	SAMPLE	$	10.19		$ -					
WATER	W18	methane	SAMPLE	$	46.10		$ -					
WATER	W19	Phosphorous	SAMPLE	$	18.06		$ -					
WATER	W20	VOC Method 524.2	SAMPLE	$	176.30		$ -					
WATER	W21	EDB Method 504	SAMPLE	$	95.45		$ -		MAX COST	SAMPLES	TOTAL	
SOILS	S1	GRO	SAMPLE	$	24.78		$ -		$ 24.78		$ -	
SOILS	S2	DRO	SAMPLE	$	30.35		$ -		$ 30.35		$ -	
SOILS	S3	GRO/PVOC	SAMPLE	$	28.14		$ -		$ 28.14		$ -	
SOILS	S4	PVOC	SAMPLE	$	25.83		$ -		$ 25.83		$ -	
SOILS	S5	PVOC + 1,2 DCA + Naphthalene	SAMPLE	$	49.46		$ -		$ 49.46		$ -	
SOILS	S6	PVOC + Naphthalene	SAMPLE	$	36.02		$ -		$ 36.02		$ -	
SOILS	S7	VOC	SAMPLE	$	71.93		$ -		$ 71.93		$ -	
SOILS	S8	SPLP Extraction VOC only	SAMPLE	$	50.61		$ -		$ 50.61		$ -	
SOILS	S9	PAH	SAMPLE	$	72.98		$ -		$ 72.98		$ -	
SOILS	S10	Lead	SAMPLE	$	12.39		$ -		$ 12.39		$ -	
SOILS	S11	Cadmium	SAMPLE	$	14.60		$ -				TASK 24 TOTAL	$ -
SOILS	S12	Free Liquid	SAMPLE	$	11.24		$ -					
SOILS	S13	Flash Point	SAMPLE	$	25.83		$ -					
SOILS	S14	Grain Size - dry	SAMPLE	$	42.74		$ -					
SOILS	S15	Grain Size - wet	SAMPLE	$	57.33		$ -					
SOILS	S16	Bulk Density	SAMPLE	$	13.55		$ -					
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SOILS	S27	Cation Exchange (Ca, MG, & K)	SAMPLE	$	26.99		$ -					
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LNAPL	LFPS01	Viscosity + Density Interfacial tension I (LNAPL/water [dyne/cm]) Interfacial tension II (LNAPL/air [dyne/cm]) Interfacial tension III (water/air) [dyne/cm])	SAMPLE	$	561.33		$ -					
							TASK 33 TOTAL	$ 182.10				