

From: Ken Shimko <kshimko.meridianenv@gmail.com>
Sent: Monday, August 05, 2019 5:38 PM
To: Stoltz, Carrie R - DNR
Subject: Jump River Change Order
Attachments: Change Order August 2019.pdf

Carrie.

Attached is Change Order for Jump River:

- Sample 2X
- Closure Packet
- Well Abandonment
- Remove SVE system

I am thinking we will implement Closure packet, well abandonment, system removal after reviewing the data and with DNR concurrence.

I am working on Store replacement well Chg Order separately and will send as soon as I get that worked out.

Thanks

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Meridian Environmental Consulting, LLC

August 5, 2019

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

Subject: **Change Order:**

- **Sample monitoring wells & private wells - September and December 2019**
- **Closure Packet and GIS Notifications (Source, Hwy. 73, Township (ball diamond))**
- **Abandon MWs**
- **Remove SVE system**

Site: Jim's Bar
 W14764 Highway 73
 Jump River, Wisconsin
 PECFA No. 54433-9769-64
 DNR BRRTS No. 03-61-000116
 Meridian No. 05F781

Scope of Work

- Sample monitoring well network twice (September and December). Sample private wells. Analyze for PVOC+Naphthalene.
- Prepare Closure Packet and GIS Notifications (source property, Hwy. 73, Township (ball diamond))
- Abandon monitoring wells – see enclosed summary of well depths.
- Remove SVE system and appurtenances.

Cost

See attached U&C Cost Request.

Sincerely,
MERIDIAN ENVIRONMENTAL CONSULTING, LLC


Kenneth Shimko, PG
Project Manager

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY
- ◆ MONITORING WELL
- ◆ PRIVATE WELL
- ⊗ POWER POLE

0 80 (ft)
approximate scale (ft)

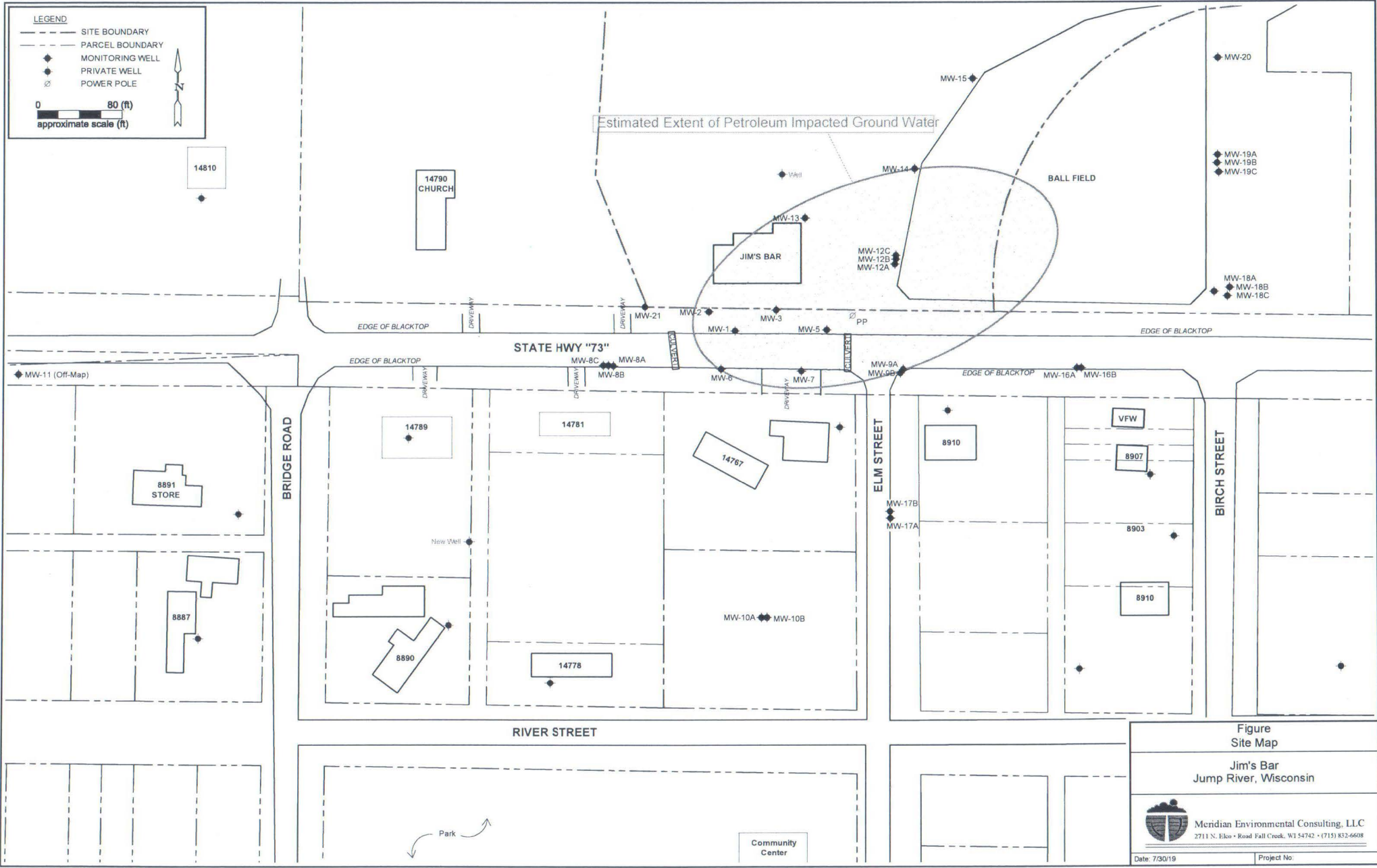


Figure
Site Map

Jim's Bar
Jump River, Wisconsin

Meridian Environmental Consulting, LLC
2711 N. Ekco • Road Fall Creek, WI 54742 • (715) 832-6698

Date: 7/30/19 Project No:

MW Depths

| Well | Depth |
|---------------|-------------|
| 1 | 26 |
| 2 | 26 |
| 3 | 26 |
| 5 | 26.5 |
| 6 | 25 |
| 7 | 25 |
| 8A | 25 |
| 8B | 40 |
| 8C | 60 |
| 9A | 25 |
| 9B | 40.5 |
| 10A | 25 |
| 10B | 60 |
| 11 | 65 |
| 12A | 22.5 |
| 12B | 40 |
| 12C | 59 |
| 13 | 25 |
| 14 | 24 |
| 15 | 24 |
| 16A | 28 |
| 16B | 40 |
| 17A | 25 |
| 17B | 40 |
| 18A | 25 |
| 18B | 40 |
| 18C | 55 |
| 19A | 25 |
| 19B | 40 |
| 19C | 55 |
| 20 | 25 |
| 21 | 23.5 |
| SV-1 | 13 |
| SV-2 | 20 |
| SV-4 | 20 |
| SV-5 | 20 |
| SV-6 | 20 |
| SV-7 | 20 |
| SWV-8 | 20 |
| SV-9 | 20 |
| SV-10 | 17 |
| SV-11 | 15 |
| Total: | 1296 |

Usual and Customary Standardized Invoice #26

July 2019 - December 2019



RR-111a

PECFA #: 54433-9769-64
 BRRTS #: 03-61-000116
 Site Name: Jim's Bar
 Site Address: Jump River (Gilman)

Vendor Name: Change Order
 Invoice #: Change Order
 Invoice Date: August 2019
 Check #: Change Order

U&C Total \$ 25,773.82
 Variance to U&C Total \$ -
 Grand Total \$ 25,773.82

| TASK | TASK DESCRIPTION | SERVICES | ACTIVITY CODE | ACTIVITY REFERENCE CODE DESCRIPTION | UNIT | MAX UNIT COST | UNITS | TOTAL MAX |
|---|---------------------------------|------------|---------------|--|-------------------------|---------------|-------|-------------|
| Sample Monitoring Well Network 2X (1, 2, 3, 5, 6, 7, 8A, 8B, 8C, 9A, 9B, 10A, 10B, 11, 12A, 12B, 12C, 13, 14, 15, 16A, 16B, 17A, 17B, 18A, 18B, 18C, 19A, 19B, 19C, 20, 21 + Private Wells (Site, 8887,8891 Store, 14789,8910, 8903, 8890, 14778, 8897)(Total = 41) . Closure Packet + GIS Notifications (Source, DOT - Hwy 73, Township (ball-field)). Abandon MWs. Remove remedial system. | | | | | | | | |
| 1 | GW Sampling | | GS05 | Sample Collection | Well | \$ 74.62 | 82 | \$ 6,118.84 |
| 1 | GW Sampling | | GS25 | Primary Mob/Demob | Site | \$ 690.92 | 2 | \$ 1,381.84 |
| 4 | Waste Disposal | Commodity | WD10 | GW Sample and/or Purge | Drum | \$ 43.37 | 2 | \$ 86.74 |
| 4 | Waste Disposal | Commodity | WD25 | Primary Mob/Demob | Site | \$ 316.47 | 2 | \$ 632.94 |
| 5 | Closure Request | | CR05 | Primary Closure Request | Submittal | \$ 2,781.00 | 1 | \$ 2,781.00 |
| 5 | Closure Request | | CR15 | Continuing Obligation Packet Submittal (For Source Property | Packet | \$ 522.58 | 1 | \$ 522.58 |
| 5 | Closure Request | | CR20 | Continuing Obligation Packet Submittal (For off-site Propertie | Per Additional Property | \$ 229.39 | 2 | \$ 458.78 |
| 5 | Closure Request | | CR30 | PE review and certification of closure packet | Site | \$ 1,129.60 | 1 | \$ 1,129.60 |
| 8 | Well Abandonment | Consultant | WAB05 | Coordination | Site | \$ 162.86 | 1 | \$ 162.86 |
| 8 | Well Abandonment | Commodity | WAB35 | Well Abandonment Mob/Demob | Site | \$ 453.81 | 1 | \$ 453.81 |
| 8 | Well Abandonment | Commodity | WAB40 | Well Abandonment (2 inch) | Ft | \$ 5.74 | 1296 | \$ 7,439.04 |
| 25 | Remediation System Shut Down | | SSD05 | Permanent | Site | \$1,128.33 | 1 | \$ 1,128.33 |
| 25 | Remediation System Shut Down | | SSD15 | Primary Mob/Demob | Site | \$520.91 | 1 | \$ 520.91 |
| 33 | Schedule Of Laboratory Maximurr | Commodity | | Laboratory (see task 33 total on Lab Schedule) | Lab Schedule | | | \$ 2,563.32 |
| 36 | Change Order Request | | COR05 | Change Order Request (cost cap exceedance requests) | Change Order | \$ 393.23 | 1 | \$ 393.23 |
| Variance | | | | | | | | |
| Variance | | | | | | | | |

Usual and Customary Standardized Invoice #26

July 2019 - December 2019 (Interim)



RR-111a

TOTAL LAB CHARGES \$ 2,563.32 TASK 33 82 \$ 2,563.32 TASK 24 0 \$ -

| MATRIX | REF CODE | REIMBURSABLE ANALYTE | UNITS | MAX COST | SAMPLES | TOTAL | MAX COST | SAMPLES | TOTAL | |
|--------|----------|---|--------|-----------|---------|-------------------------|-----------------|---------|-------|--|
| AIR | A1 | Benzene | SAMPLE | \$ 46.29 | | \$ - | | | | |
| AIR | A2 | BETX | SAMPLE | \$ 50.94 | | \$ - | | | | |
| AIR | A3 | GRO | SAMPLE | \$ 47.48 | | \$ - | | | | |
| AIR | A4 | VOC's | SAMPLE | \$ 74.09 | | \$ - | | | | |
| WATER | W1 | GRO/PVOC | SAMPLE | \$ 30.07 | | \$ - | | | | |
| WATER | W2 | PVOC | SAMPLE | \$ 27.80 | | \$ - | | | | |
| WATER | W3 | PVOC + 1,2 DCA | SAMPLE | \$ 45.10 | | \$ - | | | | |
| WATER | W4 | PVOC + Naphthalene | SAMPLE | \$ 31.26 | 82 | \$ 2,563.32 | | | | |
| WATER | W5 | VOC | SAMPLE | \$ 74.09 | | \$ - | | | | |
| WATER | W6 | PAH | SAMPLE | \$ 75.17 | | \$ - | | | | |
| WATER | W7 | Lead | SAMPLE | \$ 12.76 | | \$ - | | | | |
| WATER | W8 | Cadmium | SAMPLE | \$ 13.96 | | \$ - | | | | |
| WATER | W9 | Hardness | SAMPLE | \$ 12.76 | | \$ - | | | | |
| WATER | W10 | BOD, Total | SAMPLE | \$ 24.34 | | \$ - | | | | |
| WATER | W11 | Nitrate | SAMPLE | \$ 11.58 | | \$ - | | | | |
| WATER | W12 | Total Kjeldahl | SAMPLE | \$ 20.88 | | \$ - | | | | |
| WATER | W13 | Ammonia | SAMPLE | \$ 17.42 | | \$ - | | | | |
| WATER | W14 | Sulfate | SAMPLE | \$ 10.50 | | \$ - | | | | |
| WATER | W15 | Iron | SAMPLE | \$ 10.50 | | \$ - | | | | |
| WATER | W16 | Manganese | SAMPLE | \$ 10.50 | | \$ - | | | | |
| WATER | W17 | Alkalinity | SAMPLE | \$ 10.50 | | \$ - | | | | |
| WATER | W18 | methane | SAMPLE | \$ 47.48 | | \$ - | | | | |
| WATER | W19 | Phosphorous | SAMPLE | \$ 18.60 | | \$ - | | | | |
| WATER | W20 | VOC Method 524.2 | SAMPLE | \$ 181.59 | | \$ - | | | | |
| WATER | W21 | EDB Method 504 | SAMPLE | \$ 98.31 | | \$ - | | | | |
| SOILS | S1 | GRO | SAMPLE | \$ 25.52 | | \$ - | \$ 25.52 | | \$ - | |
| SOILS | S2 | DRO | SAMPLE | \$ 31.26 | | \$ - | \$ 31.26 | | \$ - | |
| SOILS | S3 | GRO/PVOC | SAMPLE | \$ 28.98 | | \$ - | \$ 28.98 | | \$ - | |
| SOILS | S4 | PVOC | SAMPLE | \$ 26.60 | | \$ - | \$ 26.60 | | \$ - | |
| SOILS | S5 | PVOC + 1,2 DCA + Naphthalene | SAMPLE | \$ 50.94 | | \$ - | \$ 50.94 | | \$ - | |
| SOILS | S6 | PVOC + Naphthalene | SAMPLE | \$ 37.10 | | \$ - | \$ 37.10 | | \$ - | |
| SOILS | S7 | VOC | SAMPLE | \$ 74.09 | | \$ - | \$ 74.09 | | \$ - | |
| SOILS | S8 | SPLP Extraction VOC only | SAMPLE | \$ 52.13 | | \$ - | \$ 52.13 | | \$ - | |
| SOILS | S9 | PAH | SAMPLE | \$ 75.17 | | \$ - | \$ 75.17 | | \$ - | |
| SOILS | S10 | Lead | SAMPLE | \$ 12.76 | | \$ - | \$ 12.76 | | \$ - | |
| SOILS | S11 | Cadmium | SAMPLE | \$ 15.04 | | \$ - | | | | |
| SOILS | S12 | Free Liquid | SAMPLE | \$ 11.58 | | \$ - | | | | |
| SOILS | S13 | Flash Point | SAMPLE | \$ 26.60 | | \$ - | | | | |
| SOILS | S14 | Grain Size - dry | SAMPLE | \$ 44.02 | | \$ - | | | | |
| SOILS | S15 | Grain Size - wet | SAMPLE | \$ 59.05 | | \$ - | | | | |
| SOILS | S16 | Bulk Density | SAMPLE | \$ 13.96 | | \$ - | | | | |
| SOILS | S17 | Permeability | SAMPLE | \$ 42.83 | | \$ - | | | | |
| SOILS | S18 | Nitrogen as Total Kjeldahl | SAMPLE | \$ 20.88 | | \$ - | | | | |
| SOILS | S19 | Nitrogen as Ammonia | SAMPLE | \$ 17.42 | | \$ - | | | | |
| SOILS | S20 | % Organic Matter | SAMPLE | \$ 30.07 | | \$ - | | | | |
| SOILS | S21 | TOC as NPOC | SAMPLE | \$ 59.05 | | \$ - | | | | |
| SOILS | S22 | Soil Moisture Content | SAMPLE | \$ 7.03 | | \$ - | | | | |
| SOILS | S23 | Air Filled Porosity | SAMPLE | \$ 26.60 | | \$ - | | | | |
| SOILS | S24 | % Total Solids | SAMPLE | \$ 7.03 | | \$ - | | | | |
| SOILS | S25 | Field Capacity | SAMPLE | \$ 28.98 | | \$ - | | | | |
| SOILS | S26 | TCLP Lead | SAMPLE | \$ 85.65 | | \$ - | | | | |
| SOILS | S27 | Cation Exchange (Ca, MG, & K) | SAMPLE | \$ 27.80 | | \$ - | | | | |
| SOILS | S28 | TCLP Cadmium | SAMPLE | \$ 85.65 | | \$ - | | | | |
| SOILS | S29 | TCLP Benzene | SAMPLE | \$ 85.65 | | \$ - | | | | |
| | | Viscosity + Density | | | | | | | | |
| LNAPL | LFPS01 | Interfacial tension I (LNAPL/water [dyne/cm]) | SAMPLE | \$ 578.17 | | \$ - | | | | |
| | | Interfacial tension II (LNAPL/air [dyne/cm]) | | | | | | | | |
| | | Interfacial tension III (water/air) [dyne/cm] | | | | | | | | |
| | | | | | | TASK 33 TOTAL \$ | 2,563.32 | | | |

| MAX COST | SAMPLES | TOTAL |
|---------------------------|---------|-------|
| \$ 25.52 | | \$ - |
| \$ 31.26 | | \$ - |
| \$ 28.98 | | \$ - |
| \$ 26.60 | | \$ - |
| \$ 50.94 | | \$ - |
| \$ 37.10 | | \$ - |
| \$ 74.09 | | \$ - |
| \$ 52.13 | | \$ - |
| \$ 75.17 | | \$ - |
| \$ 12.76 | | \$ - |
| TASK 24 TOTAL \$ - | | |