# Usual and Customary Standardized Invoice #18
# July 2015 - January 2016

RR-047A

| | | | | | |
|---|---|---|---|---|---|
| PECFA #: | 54538-9514-67 | Vendor Name: | REI | | |
| BRRT's #: | 03-64-127899 | Invoice #: | | U&C Total | $ 15,103.60 |
| Site Name: | Tower Standard | Invoice Date: | 8-28-15 SOW Request | Variance to U&C Total | $ 11,437.22 |
| Site Address: | 14267 Hwy 70, Lac du Flambeau | Check #: | | Grand Total | $ 26,540.82 |

| TASK | TASK DESCRIPTION | SERVICES | ACTIVITY CODE | ACTIVITY REFERENCE CODE DESCRIPTION | UNIT | MAX UNIT COST | UNITS | TOTAL MAX |
|---|---|---|---|---|---|---|---|---|
| 12 | Direct Push | Consultant | DP05 | 0 - 24 ft bgs W/ Continuous Soil Sampling | Ft | $ 5.10 | 480 | $ 2,448.00 |
| 12 | Direct Push | Consultant | DP10 | > 24 ft bgs W/ Continuous Soil Sampling | Ft | $ 5.70 | 40 | $ 228.00 |
| 12 | Direct Push | Consultant | DP20 | GW Sample Collection | Each | $ 34.30 | 5 | $ 171.50 |
| 12 | Direct Push | Consultant | DP30 | Primary Mob/Demob | Site | $ 487.70 | 2 | $ 975.40 |
| 12 | Direct Push | Commodity | DP35 | 0 - 24 ft bgs W/ Continuous Soil Sampling | Ft | $ 6.60 | 480 | $ 3,168.00 |
| 12 | Direct Push | Commodity | DP40 | > 24 ft bgs W/ Continuous Soil Sampling | Ft | $ 8.60 | 40 | $ 344.00 |
| 12 | Direct Push | Commodity | DP50 | GW Sample Collection (cost for tubing) | Ft | $ 0.40 | 175 | $ 70.00 |
| 12 | Direct Push | Commodity | DP60 | Borehole Abandonment | Ft | $ 1.20 | 520 | $ 624.00 |
| 12 | Direct Push | Commodity | DP70 | GW Sample Collection | Each | $ 37.40 | 5 | $ 187.00 |
| 12 | Direct Push | Commodity | DP80 | Mob/Demob (Includes decon) | Ls | $ 501.00 | 1 | $ 501.00 |
| 15 | Misc. Drilling Activities & Supplies | | MDT21 | Drum, 55 gal. DOT steel | Each | $ 52.50 | 2 | $ 105.00 |
| 15 | Misc. Drilling Activities & Supplies | | MDT25 | Commodity Service Provider Per Diem (drilling and direct push) | Person | $ 193.60 | 4 | $ 774.40 |
| 21 | Access Agreements | | AA05 | Access Agreements | Property | $ 382.80 | 5 | $ 1,914.00 |
| 31 | Consultant Overnight Per Diem | | COPD05 | Overnight | Night | $ 108.30 | 1 | $ 108.30 |
| 33 | Schedule Of Laboratory Maximums | Commodity | | Laboratory (see task 33 total on Lab Schedule) | Lab Schedule | Lab Schedule | 76 | $ 2,574.40 |
| 34 | Consultant Incremental Mob/Demob | | IMD05 | Incremental Mob/Demob | Site | $ 273.50 | 2 | $ 547.00 |
| 36 | Change Order Request | | COR05 | Change Order Request (cost cap exceedance requests) | Change Order | $ 363.60 | 1 | $ 363.60 |
| Variance | Additional Costs for Work Completion | | | | Variance | $11,437.22 | 1 | $ 11,437.22 |

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| TOTAL LAB CHARGES | $ 2,574.40 | TASK 33 | 76 | $ 2,574.40 | TASK 24 | 0 | $ - |
|---|---|---|---|---|---|---|---|

| MATRIX | REF CODE | REIMBURSABLE ANALYTE | UNITS | MAX COST | SAMPLES | TOTAL |
|---|---|---|---|---|---|---|
| AIR | A1 | Benzene | SAMPLE | $ 42.80 | | $ - |
| AIR | A2 | BETX | SAMPLE | $ 47.10 | | $ - |
| AIR | A3 | GRO | SAMPLE | $ 43.90 | | $ - |
| AIR | A4 | VOC's | SAMPLE | $ 68.50 | | $ - |
| WATER | W1 | GRO/PVOC | SAMPLE | $ 27.80 | | $ - |
| WATER | W2 | PVOC | SAMPLE | $ 25.70 | | $ - |
| WATER | W3 | PVOC + 1,2 DCA | SAMPLE | $ 41.70 | | $ - |
| WATER | W4 | PVOC + Naphthalene | SAMPLE | $ 28.90 | 6 | $ 173.40 |
| WATER | W5 | VOC | SAMPLE | $ 68.50 | | $ - |
| WATER | W6 | PAH | SAMPLE | $ 69.50 | | $ - |
| WATER | W7 | Lead | SAMPLE | $ 11.80 | | $ - |
| WATER | W8 | Cadmium | SAMPLE | $ 12.90 | | $ - |
| WATER | W9 | Hardness | SAMPLE | $ 11.80 | | $ - |
| WATER | W10 | BOD, Total | SAMPLE | $ 22.50 | | $ - |
| WATER | W11 | Nitrate | SAMPLE | $ 10.70 | | $ - |
| WATER | W12 | Total Kjeldahl | SAMPLE | $ 19.30 | | $ - |
| WATER | W13 | Ammonia | SAMPLE | $ 16.10 | | $ - |
| WATER | W14 | Sulfate | SAMPLE | $ 9.70 | | $ - |
| WATER | W15 | Iron | SAMPLE | $ 9.70 | | $ - |
| WATER | W16 | Manganese | SAMPLE | $ 9.70 | | $ - |
| WATER | W17 | Alkalinity | SAMPLE | $ 9.70 | | $ - |
| WATER | W18 | methane | SAMPLE | $ 43.90 | | $ - |
| WATER | W19 | Phosphorous | SAMPLE | $ 17.20 | | $ - |
| WATER | W20 | VOC Method 524.2 | SAMPLE | $ 167.90 | | $ - |
| WATER | W21 | EDB Method 504 | SAMPLE | $ 90.90 | | $ - |
| SOILS | S1 | GRO | SAMPLE | $ 23.60 | | $ - |
| SOILS | S2 | DRO | SAMPLE | $ 28.90 | | $ - |
| SOILS | S3 | GRO/PVOC | SAMPLE | $ 26.80 | | $ - |
| SOILS | S4 | PVOC | SAMPLE | $ 24.60 | | $ - |
| SOILS | S5 | PVOC + 1,2 DCA + Naphthalene | SAMPLE | $ 47.10 | | $ - |
| SOILS | S6 | PVOC + Naphthalene | SAMPLE | $ 34.30 | 70 | $ 2,401.00 |
| SOILS | S7 | VOC | SAMPLE | $ 68.50 | | $ - |
| SOILS | S8 | SPLP Extraction VOC only | SAMPLE | $ 48.20 | | $ - |
| SOILS | S9 | PAH | SAMPLE | $ 69.50 | | $ - |
| SOILS | S10 | Lead | SAMPLE | $ 11.80 | | $ - |
| SOILS | S11 | Cadmium | SAMPLE | $ 13.90 | | $ - |
| SOILS | S12 | Free Liquid | SAMPLE | $ 10.70 | | $ - |
| SOILS | S13 | Flash Point | SAMPLE | $ 24.60 | | $ - |

| MAX COST | SAMPLES | TOTAL |
|---|---|---|
| $ 23.60 | | $ - |
| $ 28.90 | | $ - |
| $ 26.80 | | $ - |
| $ 24.60 | | $ - |
| $ 47.10 | | $ - |
| $ 34.30 | | $ - |
| $ 68.50 | | $ - |
| $ 48.20 | | $ - |
| $ 69.50 | | $ - |
| $ 11.80 | | $ - |
| | TASK 24 TOTAL | $ - |

| MATRIX | REF CODE | REIMBURSABLE ANALYTE | UNITS | MAX COST | SAMPLES | TOTAL |
|---|---|---|---|---|---|---|
| SOILS | S14 | Grain Size - dry | SAMPLE | $ 40.70 | $ | - |
| SOILS | S15 | Grain Size - wet | SAMPLE | $ 54.60 | $ | - |
| SOILS | S16 | Bulk Density | SAMPLE | $ 12.90 | $ | - |
| SOILS | S17 | Permeability | SAMPLE | $ 39.60 | $ | - |
| SOILS | S18 | Nitrogen as Total Kjeldahl | SAMPLE | $ 19.30 | $ | - |
| SOILS | S19 | Nitrogen as Ammonia | SAMPLE | $ 16.10 | $ | - |
| SOILS | S20 | % Organic Matter | SAMPLE | $ 27.80 | $ | - |
| SOILS | S21 | TOC as NPOC | SAMPLE | $ 54.60 | $ | - |
| SOILS | S22 | Soil Moisture Content | SAMPLE | $ 6.50 | $ | - |
| SOILS | S23 | Air Filled Porosity | SAMPLE | $ 24.60 | $ | - |
| SOILS | S24 | % Total Solids | SAMPLE | $ 6.50 | $ | - |
| SOILS | S25 | Field Capacity | SAMPLE | $ 26.80 | $ | - |
| SOILS | S26 | TCLP Lead | SAMPLE | $ 79.20 | $ | - |
| SOILS | S27 | Cation Exchange (Ca, MG, & K) | SAMPLE | $ 25.70 | $ | - |
| SOILS | S28 | TCLP Cadmium | SAMPLE | $ 79.20 | $ | - |
| SOILS | S29 | TCLP Benzene | SAMPLE | $ 79.20 | $ | - |
| LNAPL | LFPS01 | Viscosity + Density<br>Interfacial tension I (LNAPL/water [dyne/cm])<br>Interfacial tension II (LNAPL/air [dyne/cm])<br>Interfacial tension III (water/air) [dyne/cm]) | SAMPLE | $ 534.60 | $ | - |
| | | | | **TASK 33 TOTAL** | **$** | **2,574.40** |

## Variance Request
### Tower Standard
### Geoprobe Soil Sampling

**Unit Costs are based on present values on above listed date**

| Cat # | Description | Units | Quantity | Unit Cost | Event | Events | Total Cost | Subtotal |
|---|---|---|---|---|---|---|---|---|
| | **Commodity Costs** | | | | | | | |
| | Soil Characterization (bulk density, particle size by hydrometer and percent organic matter) | ea | 2 | $155.00 | $310.00 | 1 | $310.00 | |
| | **Total Commodity** | | | | | | | **$310.00** |
| | **Field Time** | | | | | | | |
| | Second REI Team Member | hr | 30 | $87.04 | $2,611.20 | 1 | $2,611.20 | |
| | **Total Field Time** | | | | | | | **$2,611.20** |
| | **Documentation and Reporting** | | | | | | | |
| | Data Interpretation | hr | 25 | $101.00 | $2,525.00 | 1 | $2,525.00 | |
| | Boring Log and Abandonment Form Completion (0.5 hr/form) | hr | 17.5 | $87.04 | $1,523.20 | 1 | $1,523.20 | |
| | Report Review | hr | 2 | $104.44 | $208.88 | 1 | $208.88 | |
| | CAD Technician | hr | 10 | $63.83 | $638.30 | 1 | $638.30 | |
| | Administrative | hr | 12 | $40.62 | $487.44 | 1 | $487.44 | |
| | Project Management | hr | 30 | $104.44 | $3,133.20 | 1 | $3,133.20 | |
| | **Total Documentation and Reporting** | | | | | | | **$8,516.02** |
| | **Total** | | | | | | | **$11,437.22** |

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