

**Slug Test Data for AQTESOLV**  
**College Corner/Cloud's Chevron (UST Permits #07584, #12352, and #07777)**  
**Performed in Monitoring Well MW-77, Slug Out 3**  
**May 17, 2024**

Static Depth to Water = 18.34 (feet)  
 Total Depth = 24.0 (feet)

| Elapsed Time<br>(sec) | Depth to Water<br>(Feet) | Displacement<br>(Feet) | Elapsed Time<br>(sec) | Depth to Water<br>(Feet) | Displacement<br>(Feet) |
|-----------------------|--------------------------|------------------------|-----------------------|--------------------------|------------------------|
| 0                     | 18.38                    | 0.04                   | 90                    | 18.54                    | 0.20                   |
| 2                     | 18.38                    | 0.04                   | 95                    | 18.53                    | 0.19                   |
| 4                     | 18.78                    | 0.44                   | 100                   | 18.52                    | 0.18                   |
| 6                     | 18.95                    | 0.61                   | 105                   | 18.52                    | 0.18                   |
| 8                     | 19.03                    | 0.69                   | 110                   | 18.51                    | 0.17                   |
| 10                    | 18.77                    | 0.43                   | 115                   | 18.51                    | 0.16                   |
| 12                    | 18.75                    | 0.41                   | 120                   | 18.50                    | 0.16                   |
| 14                    | 18.74                    | 0.40                   | 125                   | 18.50                    | 0.16                   |
| 16                    | 18.73                    | 0.39                   | 130                   | 18.49                    | 0.15                   |
| 18                    | 18.72                    | 0.38                   | 135                   | 18.48                    | 0.14                   |
| 20                    | 18.72                    | 0.38                   | 140                   | 18.48                    | 0.14                   |
| 22                    | 18.71                    | 0.37                   | 145                   | 18.47                    | 0.13                   |
| 24                    | 18.70                    | 0.36                   | 150                   | 18.47                    | 0.13                   |
| 26                    | 18.69                    | 0.35                   | 155                   | 18.47                    | 0.13                   |
| 28                    | 18.70                    | 0.36                   | 160                   | 18.46                    | 0.12                   |
| 30                    | 18.68                    | 0.34                   | 165                   | 18.46                    | 0.12                   |
| 32                    | 18.68                    | 0.34                   | 170                   | 18.46                    | 0.12                   |
| 34                    | 18.67                    | 0.33                   | 175                   | 18.45                    | 0.11                   |
| 36                    | 18.66                    | 0.32                   | 180                   | 18.45                    | 0.11                   |
| 38                    | 18.66                    | 0.32                   | 210                   | 18.43                    | 0.09                   |
| 40                    | 18.65                    | 0.31                   | 240                   | 18.42                    | 0.08                   |
| 42                    | 18.64                    | 0.30                   | 270                   | 18.41                    | 0.07                   |
| 44                    | 18.64                    | 0.30                   | 300                   | 18.42                    | 0.08                   |
| 46                    | 18.63                    | 0.29                   | 330                   | 18.41                    | 0.07                   |
| 48                    | 18.63                    | 0.29                   | 360                   | 18.40                    | 0.06                   |
| 50                    | 18.62                    | 0.28                   | 390                   | 18.40                    | 0.06                   |
| 52                    | 18.62                    | 0.28                   | 420                   | 18.40                    | 0.06                   |
| 54                    | 18.61                    | 0.27                   | 450                   | 18.40                    | 0.06                   |
| 56                    | 18.60                    | 0.26                   | 480                   | 18.39                    | 0.05                   |
| 58                    | 18.60                    | 0.26                   |                       |                          |                        |
| 60                    | 18.59                    | 0.25                   |                       |                          |                        |
| 65                    | 18.59                    | 0.25                   |                       |                          |                        |
| 70                    | 18.58                    | 0.24                   |                       |                          |                        |
| 75                    | 18.57                    | 0.23                   |                       |                          |                        |
| 80                    | 18.56                    | 0.22                   |                       |                          |                        |
| 85                    | 18.54                    | 0.20                   |                       |                          |                        |

**Slug Test Data for AQTESOLV**  
**College Corner/Cloud's Chevron (UST Permits #07584, #12352, and #07777)**  
**Performed in Monitoring Well MW-80, Slug Out 1**  
**May 17, 2024**

Static Depth to Water = 7.16 (feet)  
 Total Depth = 14.5 (feet)

| Elapsed Time<br>(sec) | Depth to Water<br>(Feet) | Displacement<br>(Feet) | Elapsed Time<br>(sec) | Depth to Water<br>(Feet) | Displacement<br>(Feet) |
|-----------------------|--------------------------|------------------------|-----------------------|--------------------------|------------------------|
| 0                     | 7.61                     | 0.45                   | 90                    | 7.43                     | 0.27                   |
| 2                     | 8.43                     | 1.27                   | 95                    | 7.42                     | 0.26                   |
| 4                     | 8.19                     | 1.03                   | 100                   | 7.41                     | 0.25                   |
| 6                     | 8.06                     | 0.90                   | 105                   | 7.41                     | 0.25                   |
| 8                     | 7.96                     | 0.80                   | 110                   | 7.40                     | 0.24                   |
| 10                    | 7.88                     | 0.72                   | 115                   | 7.39                     | 0.23                   |
| 12                    | 7.84                     | 0.68                   | 120                   | 7.38                     | 0.22                   |
| 14                    | 7.80                     | 0.64                   | 125                   | 7.38                     | 0.22                   |
| 16                    | 7.77                     | 0.61                   | 130                   | 7.38                     | 0.22                   |
| 18                    | 7.75                     | 0.59                   | 135                   | 7.37                     | 0.21                   |
| 20                    | 7.74                     | 0.58                   | 140                   | 7.37                     | 0.21                   |
| 22                    | 7.72                     | 0.56                   | 145                   | 7.36                     | 0.20                   |
| 24                    | 7.70                     | 0.54                   | 150                   | 7.36                     | 0.20                   |
| 26                    | 7.68                     | 0.52                   | 155                   | 7.35                     | 0.19                   |
| 28                    | 7.67                     | 0.51                   | 160                   | 7.34                     | 0.18                   |
| 30                    | 7.65                     | 0.49                   | 165                   | 7.34                     | 0.18                   |
| 32                    | 7.64                     | 0.48                   | 170                   | 7.34                     | 0.18                   |
| 34                    | 7.62                     | 0.46                   | 175                   | 7.33                     | 0.17                   |
| 36                    | 7.62                     | 0.46                   | 180                   | 7.33                     | 0.17                   |
| 38                    | 7.61                     | 0.45                   | 210                   | 7.31                     | 0.15                   |
| 40                    | 7.59                     | 0.43                   | 240                   | 7.30                     | 0.14                   |
| 42                    | 7.58                     | 0.42                   | 270                   | 7.28                     | 0.12                   |
| 44                    | 7.57                     | 0.41                   | 300                   | 7.25                     | 0.09                   |
| 46                    | 7.57                     | 0.41                   | 330                   | 7.24                     | 0.08                   |
| 48                    | 7.56                     | 0.40                   | 360                   | 7.24                     | 0.08                   |
| 50                    | 7.54                     | 0.38                   | 390                   | 7.23                     | 0.07                   |
| 52                    | 7.54                     | 0.38                   | 420                   | 7.22                     | 0.06                   |
| 54                    | 7.53                     | 0.37                   | 450                   | 7.22                     | 0.06                   |
| 56                    | 7.52                     | 0.36                   | 480                   | 7.22                     | 0.06                   |
| 58                    | 7.51                     | 0.35                   | 780                   | 7.19                     | 0.03                   |
| 60                    | 7.52                     | 0.36                   |                       |                          |                        |
| 65                    | 7.49                     | 0.33                   |                       |                          |                        |
| 70                    | 7.48                     | 0.32                   |                       |                          |                        |
| 75                    | 7.46                     | 0.30                   |                       |                          |                        |
| 80                    | 7.45                     | 0.29                   |                       |                          |                        |
| 85                    | 7.44                     | 0.28                   |                       |                          |                        |

**Slug Test Data for AQTESOLV**  
**College Corner/Cloud's Chevron (UST Permits #07584, #12352, and #07777)**  
**Performed in Monitoring Well MW-80, Slug Out 2**  
**May 17, 2024**

Static Depth to Water = 7.16 (feet)  
 Total Depth = 14.5 (feet)

| Elapsed Time<br>(sec) | Depth to Water<br>(Feet) | Displacement<br>(Feet) | Elapsed Time<br>(sec) | Depth to Water<br>(Feet) | Displacement<br>(Feet) |
|-----------------------|--------------------------|------------------------|-----------------------|--------------------------|------------------------|
| 0                     | 7.11                     | -0.05                  | 90                    | 7.51                     | 0.35                   |
| 2                     | 7.14                     | -0.02                  | 95                    | 7.50                     | 0.34                   |
| 4                     | 7.84                     | 0.68                   | 100                   | 7.49                     | 0.33                   |
| 6                     | 8.56                     | 1.40                   | 105                   | 7.49                     | 0.33                   |
| 8                     | 8.31                     | 1.15                   | 110                   | 7.48                     | 0.32                   |
| 10                    | 8.17                     | 1.01                   | 115                   | 7.46                     | 0.30                   |
| 12                    | 8.06                     | 0.90                   | 120                   | 7.46                     | 0.30                   |
| 14                    | 7.99                     | 0.83                   | 125                   | 7.45                     | 0.29                   |
| 16                    | 7.95                     | 0.79                   | 130                   | 7.44                     | 0.28                   |
| 18                    | 7.91                     | 0.75                   | 135                   | 7.44                     | 0.28                   |
| 20                    | 7.88                     | 0.72                   | 140                   | 7.43                     | 0.27                   |
| 22                    | 7.85                     | 0.69                   | 145                   | 7.42                     | 0.26                   |
| 24                    | 7.83                     | 0.67                   | 150                   | 7.42                     | 0.26                   |
| 26                    | 7.82                     | 0.66                   | 155                   | 7.42                     | 0.26                   |
| 28                    | 7.80                     | 0.64                   | 160                   | 7.41                     | 0.25                   |
| 30                    | 7.78                     | 0.62                   | 165                   | 7.40                     | 0.24                   |
| 32                    | 7.77                     | 0.61                   | 170                   | 7.41                     | 0.25                   |
| 34                    | 7.75                     | 0.59                   | 175                   | 7.39                     | 0.23                   |
| 36                    | 7.74                     | 0.58                   | 180                   | 7.39                     | 0.23                   |
| 38                    | 7.73                     | 0.57                   | 210                   | 7.36                     | 0.20                   |
| 40                    | 7.71                     | 0.55                   | 240                   | 7.35                     | 0.19                   |
| 42                    | 7.71                     | 0.55                   | 270                   | 7.33                     | 0.17                   |
| 44                    | 7.69                     | 0.53                   | 300                   | 7.31                     | 0.15                   |
| 46                    | 7.68                     | 0.52                   | 330                   | 7.30                     | 0.14                   |
| 48                    | 7.66                     | 0.50                   | 360                   | 7.29                     | 0.13                   |
| 50                    | 7.66                     | 0.50                   | 390                   | 7.28                     | 0.12                   |
| 52                    | 7.64                     | 0.48                   | 420                   | 7.27                     | 0.11                   |
| 54                    | 7.64                     | 0.48                   | 450                   | 7.26                     | 0.10                   |
| 56                    | 7.63                     | 0.47                   | 480                   | 7.26                     | 0.09                   |
| 58                    | 7.62                     | 0.46                   | 780                   | 7.23                     | 0.06                   |
| 60                    | 7.61                     | 0.45                   |                       |                          |                        |
| 65                    | 7.59                     | 0.43                   |                       |                          |                        |
| 70                    | 7.58                     | 0.42                   |                       |                          |                        |
| 75                    | 7.56                     | 0.40                   |                       |                          |                        |
| 80                    | 7.55                     | 0.39                   |                       |                          |                        |
| 85                    | 7.53                     | 0.37                   |                       |                          |                        |

**Slug Test Data for AQTESOLV**  
**College Corner/Cloud's Chevron (UST Permits #07584, #12352, and #07777)**  
**Performed in Monitoring Well MW-80, Slug Out 3**  
**May 17, 2024**

Static Depth to Water = 7.16 (feet)  
 Total Depth = 14.5 (feet)

| Elapsed Time<br>(sec) | Depth to Water<br>(Feet) | Displacement<br>(Feet) | Elapsed Time<br>(sec) | Depth to Water<br>(Feet) | Displacement<br>(Feet) |
|-----------------------|--------------------------|------------------------|-----------------------|--------------------------|------------------------|
| 0                     | 7.16                     | 0.00                   | 90                    | 7.52                     | 0.36                   |
| 2                     | 8.61                     | 1.45                   | 95                    | 7.51                     | 0.35                   |
| 4                     | 8.35                     | 1.19                   | 100                   | 7.49                     | 0.33                   |
| 6                     | 8.20                     | 1.04                   | 105                   | 7.48                     | 0.32                   |
| 8                     | 8.09                     | 0.93                   | 110                   | 7.48                     | 0.32                   |
| 10                    | 8.02                     | 0.86                   | 115                   | 7.47                     | 0.31                   |
| 12                    | 7.97                     | 0.81                   | 120                   | 7.46                     | 0.30                   |
| 14                    | 7.93                     | 0.77                   | 125                   | 7.45                     | 0.29                   |
| 16                    | 7.90                     | 0.74                   | 130                   | 7.44                     | 0.28                   |
| 18                    | 7.87                     | 0.71                   | 135                   | 7.43                     | 0.27                   |
| 20                    | 7.85                     | 0.69                   | 140                   | 7.43                     | 0.27                   |
| 22                    | 7.84                     | 0.68                   | 145                   | 7.42                     | 0.26                   |
| 24                    | 7.82                     | 0.66                   | 150                   | 7.42                     | 0.26                   |
| 26                    | 7.80                     | 0.64                   | 155                   | 7.41                     | 0.25                   |
| 28                    | 7.79                     | 0.63                   | 160                   | 7.41                     | 0.25                   |
| 30                    | 7.77                     | 0.61                   | 165                   | 7.40                     | 0.24                   |
| 32                    | 7.76                     | 0.60                   | 170                   | 7.39                     | 0.23                   |
| 34                    | 7.75                     | 0.59                   | 175                   | 7.39                     | 0.23                   |
| 36                    | 7.73                     | 0.57                   | 180                   | 7.40                     | 0.23                   |
| 38                    | 7.73                     | 0.57                   | 210                   | 7.36                     | 0.20                   |
| 40                    | 7.71                     | 0.55                   | 240                   | 7.34                     | 0.18                   |
| 42                    | 7.70                     | 0.54                   | 270                   | 7.32                     | 0.16                   |
| 44                    | 7.69                     | 0.53                   | 300                   | 7.31                     | 0.15                   |
| 46                    | 7.68                     | 0.52                   | 330                   | 7.30                     | 0.14                   |
| 48                    | 7.67                     | 0.51                   | 360                   | 7.29                     | 0.13                   |
| 50                    | 7.65                     | 0.49                   | 390                   | 7.28                     | 0.12                   |
| 52                    | 7.65                     | 0.49                   | 420                   | 7.27                     | 0.11                   |
| 54                    | 7.64                     | 0.48                   | 450                   | 7.26                     | 0.10                   |
| 56                    | 7.63                     | 0.47                   | 480                   | 7.26                     | 0.10                   |
| 58                    | 7.62                     | 0.46                   | 780                   | 7.22                     | 0.06                   |
| 60                    | 7.61                     | 0.45                   |                       |                          |                        |
| 65                    | 7.60                     | 0.44                   |                       |                          |                        |
| 70                    | 7.57                     | 0.41                   |                       |                          |                        |
| 75                    | 7.56                     | 0.40                   |                       |                          |                        |
| 80                    | 7.55                     | 0.39                   |                       |                          |                        |
| 85                    | 7.53                     | 0.37                   |                       |                          |                        |















## SHALLOW AQUIFER CALCULATIONS

### HYDRAULIC GRADIENT

Monitoring wells MW-77 through MW-83 and DW-10 were installed to in order to evaluate the CoC distribution along the southern edge of the project area. These tests were completed on an expedited schedule. As such, they have not yet been surveyed. The seepage velocity was estimated using the available shallow hydraulic gradient from the November 2021 sampling assessment report, completed by Midlands Environmental Consultants, Inc.

#### Calculations

Based on average water elevation change per unit distance as measured from the following well pairs as presented on the Site Base Map:

#### Shallow (11/2021 Data):

|                |   |
|----------------|---|
| MW-53 to MW-55 | (75.63 – 74.90 ft) / 187.50 ft = 5.84 E-1 ft/ft |
| MW-15 to MW-50 | (76.23 – 75.11 ft) / 232.50 ft = 7.23 E-1 ft/ft |
| MW-50 to MW-55 | (75.11 – 74.90 ft) / 337.50 ft = 9.33 E-2 ft/ft |

I = Average Hydraulic Gradient (Shallow) = **4.67 E-1 ft/ft**

### SEEPAGE VELOCITY

Vs = Seepage Velocity

K = Hydraulic Conductivity

n = Effective Porosity (assumed) = **0.28** (sandy silt)

$$V_s = \frac{I \times K}{n}$$

| Monitoring Well ID | Slug Test Run | K (ft/sec) | K (ft/yr) | Seepage Velocity (ft/yr) | Average Seepage Velocity (ft/yr) |
|--------------------|---------------|------------|-----------|--------------------------|----------------------------------|
| MW-77              | Slug Out 1    | 1.127E-05  | 355.65    | 592.71                   | 819.90                           |
|                    | Slug Out 2    | 1.763E-05  | 556.35    | 927.19                   |                                  |
|                    | Slug Out 3    | 1.787E-05  | 563.92    | 939.81                   |                                  |
| MW-80              | Slug Out 1    | 1.413E-05  | 445.90    | 743.12                   | 671.25                           |
|                    | Slug Out 2    | 1.180E-05  | 372.37    | 620.58                   |                                  |
|                    | Slug Out 3    | 1.236E-05  | 390.04    | 650.03                   |                                  |

**APPENDIX G**  
**NOT INCLUDED**

**APPENDIX H**  
**NOT INCLUDED**

**APPENDIX I**  
**NOT INCLUDED**

**APPENDIX J**  
**NOT INCLUDED**

**APPENDIX K**  
**SCDHEC CONTRACTOR CHECKLIST**



### Contractor Checklist

For each report submitted to the UST Management Division, the contractor will be required to verify that all data elements for the required scope of work have been provided. For items not required for the scope of work, the N/A box should be checked. For items required and not completed or provided, the No box should be checked and a thorough description of the reason must be provided.

| Item # | Item   | Yes                                 | No                       | N/A                                 |
|--------|--|-------------------------------------|--------------------------|-------------------------------------|
| 1      | Is Facility Name, Permit #, and address provided?  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 2      | Is UST Owner/Operator name, address, & phone number provided?  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 3      | Is name, address, & phone number of current property owner provided?   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 4      | Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 5      | Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 6      | Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 7      | Has the facility history been summarized?  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 8      | Has the regional geology and hydrogeology been described?  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 9      | Are the receptor survey results provided as required?  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10     | Has current use of the site and adjacent land been described?  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 11     | Has the site-specific geology and hydrogeology been described?   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 12     | Has the primary soil type been described?  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 13     | Have field screening results been described?   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14     | Has a description of the soil sample collection and preservation been detailed?  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15     | Has the field screening methodology and procedure been detailed?   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 16     | Has the monitoring well installation and development dates been provided?  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17     | Has the method of well development been detailed?  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 18     | Has justification been provided for the locations of the monitoring wells?   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 19     | Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 20     | Has the groundwater sampling methodology been detailed?  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 21     | Have the groundwater sampling dates and groundwater measurements been provided?  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 22     | Has the purging methodology been detailed?   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 23     | Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 24     | If free-product is present, has the thickness been provided?   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 25     | Does the report include a brief discussion of the assessment done and the results?   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 26     | Does the report include a brief discussion of the aquifer evaluation and results?  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 27     | Does the report include a brief discussion of the fate & transport models used?  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| Item # | Item   | Yes                                 | No                       | N/A                                 |
|--------|--|-------------------------------------|--------------------------|-------------------------------------|
| 28     | Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 29     | Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 30     | Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 31     | Have recommendations for further action been provided and explained?   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 32     | Has the soil analytical data for the site been provided in tabular format? (Table 1)   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 33     | Has the potentiometric data for the site been provided in tabular format? (Table 2)  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 34     | Has the current and historical laboratory data been provided in tabular format?  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 35     | Have the aquifer characteristics been provided and summarized on the appropriate form?   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 36     | Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 37     | Has the topographic map been provided with all required elements? (Figure 1)   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 38     | Has the site base map been provided with all required elements? (Figure 2)   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 39     | Have the CoC site maps been provided? (Figure 3 & Figure 4)  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 40     | Has the site potentiometric map been provided? (Figure 5)  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 41     | Have the geologic cross-sections been provided? (Figure 6)   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 42     | Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)                             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 43     | Has the site survey been provided and include all necessary elements? (Appendix A)   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 44     | Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 45     | Is the laboratory performing the analyses properly certified?  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 46     | Has the tax map been included with all necessary elements? (Appendix C)  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 47     | Have the soil boring/field screening logs been provided? (Appendix D)  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 48     | Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 49     | Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 50     | Have the disposal manifests been provided? (Appendix G)  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 51     | Has a copy of the local zoning regulations been provided? (Appendix H)   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 52     | Has all fate and transport modeling been provided? (Appendix I)  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 53     | Have copies of all access agreements obtained by the contractor been provided? (Appendix J)  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |
| 54     | Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?       | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |



Math



**State Lead Option  
Adjacent Property Access Agreement for  
Site Rehabilitation**

**Only complete this form if:** You are the legal owner of the property **OR** are the designated authorized representative for the legal owner of the property.

I certify that I am the legal owner of the property identified below or serve as the authorized representative for the legal owner of the property. I authorize the South Carolina Department of Health and Environmental Control (DHEC), or a contractor selected by DHEC, to enter this property at reasonable times only to conduct assessment and corrective action activities, as required. The contractor will be designated as the contractor for the UST owner or operator for only the required environmental site rehabilitation activities. I understand that the Agency will notify me of all activities that are necessary prior to their initiation and will promptly provide to me a summary of the data upon request.

RECEIVED

|  |   |                             |  |
|--|---|-----------------------------|--|
| UST Permit #   | 07777,07584,12352                       |                             |  |
| Property Name (if applicable):                         | Multiple Benedict College parcels       | JUN 24 2024                 |  |
| Property Address:                                      | Properties listed on attached page.     | UST DIVISION                |  |
| Property Phone Number:                                 |   |                             |  |
| Is property within city limits?<br>(check yes/no)      | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |  |
| Name of nearest intersecting street/road/highway:      |   |                             |  |
| Does public water/sewer utility service this facility? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |  |

\*If no, please provide a contact name/number that can assist in the location of private water and septic tank lines:

|       |               |
|-------|---------------|
| Name: | Phone Number: |
|-------|---------------|

|  |     |                                     |
|--|-----|-------------------------------------|
| Is the property currently leased to someone? | Yes | <input checked="" type="radio"/> No |
|--|-----|-------------------------------------|

\*If yes, notify them of the pending work scope, and please provide their name/contact number:

|       |               |
|-------|---------------|
| Name: | Phone Number: |
|-------|---------------|

|   |   |                    |
|---|---|--------------------|
| Name of Property Owner (Print):                           | Benedict College                            |                    |
| Signature of Property Owner or authorized representative: |   | 06/18/2024<br>Date |
| Affiliation (if applicable)                               | Vice President of Finance & Operations/ CFO |                    |
| Signature of Witness                                      |   | 06/18/2024<br>Date |

**Contact Info**

|                |                              |                    |
|----------------|------------------------------|--------------------|
| Phone Numbers: | Home: 803-705-4730           | Cell: 731-394-6312 |
| Email Address: | sharron.burnett@benedict.edu |                    |

## Benedict College Properties

|   | Address      | Parcel Number |
|---|--------------|---------------|
| 1 | 1600 Harden  | R11412-10-14  |
| 2 | 1613 Waverly | R11408-10-30  |
| 3 | 1616 Oak     | R11407-06-01  |
| 4 | 1604 Oak     | R11407-06-03  |
| 5 | 2305 Taylor  | R11407-06-02  |
| 6 | 2412 Haskell | R11408-10-29  |
| 7 | 1601 Heidt   | R11408-10-11  |
| 8 | 1613 Heidt   | R11408-10-10  |
| 9 | 1600 Harden  | R11408-10-09  |



Honorable Diedra Wilson Hightower  
Richland County Magistrate  
118-A McNulty Street  
Blythewood, SC 29016

Re: Access to Family Dollar  
1500 North Millwood Avenue, Columbia, SC  
Richland County GIS System Map Number R11411-02-02

Dear Honorable Judge Hightower:

The South Carolina Department of Health and Environmental Control (Department) requests your consideration in the matter of an Inspection Warrant pursuant to S.C. Code Ann. § 48-1-50(24) for the collection of soil and groundwater samples at the referenced facility. Section 48-1-50(24) of the Pollution Control Act specifically provides magistrate judges with the authority to issue inspection warrants.

The property owned by Fast Point Food Stores, Inc. at nearby 2367 Taylor Street has two prior releases from underground storage tanks that were subsequently removed. To further assess the release, it is necessary for Department staff from the Underground Storage Tank Management Division and/or its contractor to access 1500 North Millwood Avenue in order to install groundwater monitoring wells and retrieve samples from wells.

The Department has exhausted every option to obtain access to the property and requests an Inspection Warrant for the purpose of collecting environmental samples to determine current conditions.

Please find enclosed an application for an Inspection Warrant and tax map information.

I look forward to discussing the site with you and appreciate your time and assistance. Should you have any questions regarding this correspondence, you may contact me at (803) 898-7705 or [wykeljm@dhec.sc.gov](mailto:wykeljm@dhec.sc.gov).

Sincerely,

James M. Wykel, Project Manager  
Hydrogeologist III  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

STATE OF SOUTH CAROLINA

COUNTY OF RICHLAND

**SWORN APPLICATION FOR INSPECTION WARRANT  
PURSUANT TO S.C. CODE ANN. SECTION 48-1-50**

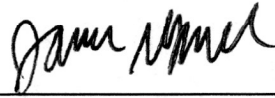
**TO: THE HONORABLE JUDGE DIEDRA WILSON HIGHTOWER  
RICHLAND COUNTY MAGISTRATE**

BLYTHEWOOD MAGISTRATE  
2024 JUN 27 PM2:19

James M. Wykel, a Project Manager at the South Carolina Department of Health and Environmental Control (Department), hereby applies for an inspection warrant, pursuant to S.C. Code Ann. § 48-1-50(24) of the Pollution Control Act to conduct an inspection and response action including environmental sampling at the following establishment, premises, or component thereof:

1. S.C. Code Ann. § 48-1-50(24) of the Pollution Control Act was promulgated to authorize the Department to protect the public's health and welfare, as well as the environment, and to investigate on behalf of that interest, potential pollution of the environment of the State.
2. Section 48-1-50(24) of the Pollution Control Act specifically provides this Court with the authority to issue an inspection warrant. In the event the Department cannot obtain consent to enter property "for the purpose of inspecting and investigating conditions relating to pollution or the possible pollution of the environment of the State . . . the Department is empowered to and shall obtain from the magistrate from the jurisdiction in which such property, premise or place is located, a warrant to enter and inspect any such property, premise or place prior to entry and inspection. The magistrate of such jurisdiction is empowered to issue such warrants upon a proper showing of the needs for such entry and inspection."
3. This inspection will be undertaken as part of an inspection program, authorized by Statute and Regulations issued thereunder, designed to protect the public's health and welfare or the environment and investigate on behalf of that interest potential pollution of the environment of the state of South Carolina.
4. A nearby property, located at 2357 Taylor Street, has two prior releases from underground storage tanks that were subsequently removed. To further assess the releases, it is necessary for Department staff to assess nearby properties.
4. The inspection and response action may be conducted at any time. The Department Officer's credentials will be presented if the owner/operator is present. These activities will begin as soon as practical after the issuance of this warrant and shall be executed and returned to the above named judicial officer within ten (10) days of the issuance date. Site activities shall be completed with reasonable promptness.
5. Site activities will extend to the establishment, premises, appurtenances. Photographs and/or video recording of the same may be taken as deemed necessary for a reasonable inspection. Response actions may include, but not be limited to, collecting environmental samples and installing additional groundwater monitoring wells.
6. The establishment or site is known to the Department as "Family Dollar" and is located at 1500 North Millwood Avenue, Columbia, SC, in Richland County. The site is comprised of one parcel identified by the Richland County GIS System as Map Number R11411-02-02.

The Project Manager hereinbefore named is authorized to inspect and conduct environmental sampling at the designated premises, and may be accompanied by one or more duly authorized employees of the Department and/or its contractor, as well as other law enforcement officers and any equipment deemed necessary to complete the activities. A return will be made to the Court if desired upon completion of the inspection, or no later than ten (10) days after the date of the Inspection Warrant.



James M. Wykel, Project Manager  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management  
SC Department of Health and Environmental Control

Sworn to and subscribed before me  
this 27 day of June 2024



NOTARY PUBLIC FOR SOUTH CAROLINA

My commission expires: 9/20/27

SHERRY TAYLOR  
Notary Public  
State of South Carolina  
My Commission Expires Sept. 20, 2027



STATE OF SOUTH CAROLINA

COUNTY OF RICHLAND

INSPECTION WARRANT PURSUANT TO S.C. CODE ANN. SECTION 48-1-50(24)

TO ANY DULY AUTHORIZED ENVIRONMENTAL CONTROL OFFICER OF THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL:


BLYTHEWOOD MAGISTRATE  
2024 JUN 27 PM 2:18

It appears from the attached sworn application that there are reasonable grounds to conduct an administrative inspection pursuant to S.C. Code Ann. § 48-1-50(24) at the following described premises:

**Family Dollar located at:  
1500 North Millwood Avenue, Columbia, South Carolina  
County of Richland  
Tax Map # R114711-02-02**

NOW AND THEREFORE, you are hereby authorized to conduct an administrative inspection at the subject premises and to collect and retain such information as necessary for such an inspection. The activities contemplated by this inspection include sampling soil and monitoring wells to determine the current conditions and installing additional monitoring wells. This inspection warrant shall expire ninety (90) days from the date of issuance. The Department is authorized to access the site and necessary through the course of this warrant's duration. A copy of the warrant shall be displayed at the entrance of the property.

A written report of activities performed pursuant to this warrant shall be provided to the Richland County Magistrate whose name is affixed below.

  
\_\_\_\_\_  
Presiding Magistrate: DIKORA W. HIGHTOWER

This 27<sup>th</sup> day of June, 2024  
Columbia, South Carolina



Honorable Diedra Wilson Hightower  
Richland County Magistrate  
118-A McNulty Street  
Blythewood, SC 29016

Re: Access to Pizza Hut  
2400 Forest Drive, Columbia, SC  
Richland County GIS System Map Number R11411-02-01

Dear Honorable Judge Hightower:

The South Carolina Department of Health and Environmental Control (Department) requests your consideration in the matter of an Inspection Warrant pursuant to S.C. Code Ann. § 48-1-50(24) for the collection of soil and groundwater samples at the referenced facility. Section 48-1-50(24) of the Pollution Control Act specifically provides magistrate judges with the authority to issue inspection warrants.

The property owned by Fast Point Food Stores, Inc. at nearby 2367 Taylor Street has two prior releases from underground storage tanks that were subsequently removed. To further assess the release, it is necessary for Department staff from the Underground Storage Tank Management Division and/or its contractor to access 2400 Forest Drive in order to install groundwater monitoring wells and retrieve samples from those wells.

The Department has exhausted every option to obtain access to the property and requests an Inspection Warrant for the purpose of collecting environmental samples to determine current conditions.

Please find enclosed an application for an Inspection Warrant and tax map information.

I look forward to discussing the site with you and appreciate your time and assistance. Should you have any questions regarding this correspondence, you may contact me at (803) 898-7705 or [wykeljm@dhec.sc.gov](mailto:wykeljm@dhec.sc.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "James M. Wykel".

James M. Wykel, Project Manager  
Hydrogeologist III  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

STATE OF SOUTH CAROLINA

COUNTY OF RICHLAND

SWORN APPLICATION FOR INSPECTION WARRANT  
PURSUANT TO S.C. CODE ANN. SECTION 48-1-50

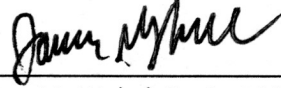
TO: THE HONORABLE JUDGE DIEDRA WILSON HIGHTOWER  
RICHLAND COUNTY MAGISTRATE

BLYTHEWOOD MAGISTRATE  
2024 JUN 27 PM 2:19

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1. S.C. Code Ann. § 48-1-50(24) of the Pollution Control Act was promulgated to authorize the Department to protect the public's health and welfare, as well as the environment, and to investigate on behalf of that interest, potential pollution of the environment of the State.
2. Section 48-1-50(24) of the Pollution Control Act specifically provides this Court with the authority to issue an inspection warrant. In the event the Department cannot obtain consent to enter property "for the purpose of inspecting and investigating conditions relating to pollution or the possible pollution of the environment of the State . . . the Department is empowered to and shall obtain from the magistrate from the jurisdiction in which such property, premise or place is located, a warrant to enter and inspect any such property, premise or place prior to entry and inspection. The magistrate of such jurisdiction is empowered to issue such warrants upon a proper showing of the needs for such entry and inspection."
3. This inspection will be undertaken as part of an inspection program, authorized by Statute and Regulations issued thereunder, designed to protect the public's health and welfare or the environment and investigate on behalf of that interest potential pollution of the environment of the state of South Carolina.
4. A nearby property, located at 2357 Taylor Street, has two prior releases from underground storage tanks that were subsequently removed. To further assess the releases, it is necessary for Department staff to assess nearby properties.
4. The inspection and response action may be conducted at any time. The Department Officer's credentials will be presented if the owner/operator is present. These activities will begin as soon as practical after the issuance of this warrant and shall be executed and returned to the above named judicial officer within ten (10) days of the issuance date. Site activities shall be completed with reasonable promptness.
5. Site activities will extend to the establishment, premises, appurtenances. Photographs and/or video recording of the same may be taken as deemed necessary for a reasonable inspection. Response actions may include, but not be limited to, collecting environmental samples and installing additional groundwater monitoring wells.
6. The establishment or site is known to the Department as "Pizza Hut" and is located at 2400 Forest Drive, Columbia, SC, in Richland County. The site is comprised of one parcel identified by the Richland County GIS System as Map Number R11411-02-01.

The Project Manager hereinbefore named is authorized to inspect and conduct environmental sampling at the designated premises, and may be accompanied by one or more authorized employees of the Department and/or its contractor, as well as other law enforcement officers and any equipment deemed necessary to complete the activities. A return will be made to the Court if desired upon completion of the inspection, or no later than ten (10) days after the date of the Inspection Warrant.



James M. Wykel, Project Manager  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management  
SC Department of Health and Environmental Control

Sworn to and subscribed before me  
this 27 day of June 2024



NOTARY PUBLIC FOR SOUTH CAROLINA

My commission expires: 9/20/27

SHERRY TAYLOR  
Notary Public  
State of South Carolina  
My Commission Expires Sept. 20, 2027

STATE OF SOUTH CAROLINA

COUNTY OF RICHLAND

INSPECTION WARRANT PURSUANT TO S.C. CODE ANN. SECTION 48-1-50(24)

TO ANY DULY AUTHORIZED ENVIRONMENTAL CONTROL OFFICER OF THE SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL:

BLYTHEWOOD MAGISTRATE  
2024 JUN 27 PM 2:18

It appears from the attached sworn application that there are reasonable grounds to conduct an administrative inspection pursuant to S.C. Code Ann. § 48-1-50(24) at the following described premises:

**Pizza Hut located at:  
2400 Forest Drive, Columbia, South Carolina  
County of Richland  
Tax Map # R114711-02-01**

NOW AND THEREFORE, you are hereby authorized to conduct an administrative inspection at the subject premises and to collect and retain such information as necessary for such an inspection. The activities contemplated by this inspection include sampling soil and monitoring wells to determine the current conditions and installing additional wells. This inspection warrant shall expire ninety (90) days from the date of issuance. The Department is authorized to access the site and necessary through the course of this warrant's duration. A copy of the warrant shall be displayed at the entrance of the property.

A written report of activities performed pursuant to this warrant shall be provided to the Richland County Magistrate whose name is affixed below.



Presiding Magistrate : DORELA W. HIGHTOWER

This 27<sup>th</sup> day of June, 2024  
Columbia, South Carolina



June 25, 2024

Paula Love, Vice President of Fiscal Affairs  
Allen University  
1530 Harden Street  
Columbia, South Carolina 29204

**Re: Request for Access**

Ms. Love,

You may recall that I sent you a letter dated May 3, 2024 requesting access to certain parcels of Allen University property. The South Carolina Department of Health and Environmental Control<sup>1</sup> (Department) is seeking to gain access to five (5) parcels of Allen University property. The property owned by Fast Point Food Stores, Inc. at 2367 Taylor Street has two prior releases from underground storage tanks that were subsequently removed. To further assess the releases, it is necessary for Department staff from the Underground Storage Tank Management Division and/or its contractor to access Allen University property in order to install groundwater monitoring wells and retrieve samples from those wells. The well installation and sampling will be at no cost to Allen University.

As such, I am re-sending the Property Access Agreement for Site Rehabilitation. Please complete and return to the project manager, Matt Wykel, within seven (7) days of the date of this letter. If you have specific questions about the scope and purpose of the requested access, please contact Matt at 803-898-7705 or [wykeljm@dhec.sc.gov](mailto:wykeljm@dhec.sc.gov). I am also available if you have any questions or concerns: 803-898-1950 or [ratigakc@dhec.sc.gov](mailto:ratigakc@dhec.sc.gov).

Sincerely,

Karen C. Ratigan  
Assistant General Counsel

enc: Letter dated 05-03-24  
Property Access Agreement for Site Rehabilitation

cc: Matt Wykel, DHEC (by email)

---

<sup>1</sup> The environmental programs at the South Carolina Department of Health and Environmental Control will become the South Carolina Department of Environmental Services, effective July 1, 2024.



**State Lead Option  
Adjacent Property Access Agreement for  
Site Rehabilitation**

**Only complete this form if:** You are the legal owner of the property **OR** are the designated authorized representative for the legal owner of the property.

I certify that I am the legal owner of the property identified below or serve as the authorized representative for the legal owner of the property. I authorize the South Carolina Department of Health and Environmental Control (DHEC), or a contractor selected by DHEC, to enter this property at reasonable times only to conduct assessment and corrective action activities, as required. The contractor will be designated as the contractor for the UST owner or operator for only the required environmental site rehabilitation activities. I understand that the Agency will notify me of all activities that are necessary prior to their initiation and will promptly provide to me a summary of the data upon request.

|  |                                     |                             |
|--|-------------------------------------|-----------------------------|
| <b>UST Permit #</b>  | 07777,07584,12352                   |                             |
| <b>Property Name (if applicable):</b>  | Multiple Allen University parcels   |                             |
| <b>Property Address:</b>   | Properties listed on attached page. |                             |
| <b>Property Phone Number:</b>  |                                     |                             |
| <b>Is property within city limits?<br/>(check yes/no)</b>  | <input type="checkbox"/> Yes        | <input type="checkbox"/> No |
| <b>Name of nearest intersecting street/road/highway:</b>   |                                     |                             |
| <b>Does public water/sewer utility service this facility?</b>  | <input type="checkbox"/> Yes        | <input type="checkbox"/> No |
| *If no, please provide a contact name/number that can assist in the location of private water and septic tank lines: |                                     |                             |
| <b>Name:</b>   | <b>Phone Number:</b>                |                             |
| <b>Is the property currently leased to someone?</b>  | <b>Yes</b>                          | <b>No</b>                   |
| *If yes, notify them of the pending work scope, and please provide their name/contact number:                        |                                     |                             |
| <b>Name:</b>   | <b>Phone Number:</b>                |                             |
|  |                                     |                             |
|  |                                     |                             |
| <b>Name of Property Owner (Print):</b>   |                                     |                             |
| <b>Signature of Property Owner or authorized representative:</b>   |                                     | <b>Date</b>                 |
| <b>Affiliation (if applicable)</b>   |                                     |                             |
| <b>Signature of Witness</b>  |                                     | <b>Date</b>                 |
|  |                                     |                             |
| <b>Contact Info</b>  |                                     |                             |
| <b>Phone Numbers:</b>  | <b>Home:</b>                        | <b>Cell:</b>                |
| <b>Email Address:</b>  |                                     |                             |

**Allen University Properties**

|          | <b>Address</b>     | <b>Parcel Number</b> |
|----------|--------------------|----------------------|
| <b>1</b> | <b>1512 Heidt</b>  | <b>R1141-01-03</b>   |
| <b>2</b> | <b>2368 Taylor</b> | <b>R1141-01-02</b>   |
| <b>3</b> | <b>2315 Taylor</b> | <b>R11408-10-02</b>  |
| <b>4</b> | <b>1530 Harden</b> | <b>R11407-07-03A</b> |
| <b>5</b> | <b>2300 Taylor</b> | <b>R11407-07-01</b>  |





May 3, 2024

Paula Love, Vice President of Fiscal Affairs  
Allen University  
1530 Harden Street  
Columbia, South Carolina 29204

**Re: Request for Access**

Ms. Love,

The South Carolina Department of Health and Environmental Control (Department) is seeking to gain access to five (5) parcels of Allen University property. The property owned by Fast Point Food Stores, Inc. at 2367 Taylor Street has two prior releases from underground storage tanks that were subsequently removed. To further assess the releases, it is necessary for Department staff from the Underground Storage Tank Management Division and/or its contractor to access Allen University property in order to install groundwater monitoring wells and retrieve samples from those wells. The well installation and sampling will be at no cost to Allen University.

Please complete and return the enclosed Property Access Agreement for Site Rehabilitation to me within fifteen (15) days of the date of this letter. If you have specific questions about the scope and purpose of the requested access, please contact the project manager: Matt Wykel at 803-898-7705 or [wykeljm@dhec.sc.gov](mailto:wykeljm@dhec.sc.gov). I am also available if you have any questions or concerns: 803-898-1950 or [ratigakc@dhec.sc.gov](mailto:ratigakc@dhec.sc.gov).

Sincerely,

Karen C. Ratigan  
Assistant General Counsel

enc: Property Access Agreement for Site Rehabilitation

cc: Matt Wykel, DHEC (by email)



RECEIVED

JUL 22 2024

UST DIVISION



TRANSMITTAL COVER SHEET

TO: Jame Wykel, Hydrogeologist

FROM: Paul Myers

RE: College Corner / Clouds Chevron 163T  
UST Permit #07584, #07777, #12352  
ARM #33-3010.3-24 233T  
Site Specific Work Plan – Field Screening

DATE: July 17, 2024

ENCLOSED: One Copy of the Site-Specific Work Plan

TRANSMITTAL VIA:  Standard US Mail  Priority US Mail  
 Electronic Submission  Hand Delivery

COMMENTS:

Enclosed you will find a Site-Specific Work Plan for the activities requested at the site.

Upon your approval of the Work Plan, ARM personnel will initiate the assessment.

Please do not hesitate to give me a call if you have any questions or if further information is required.

Sincerely,  
ARM Environmental Services, Inc.

Paul Myers  
Staff Geologist

RECEIVED



Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division

JUL 22 2024

UST DIVISION

To: Matt Wykel (SCDHEC Project Manager)
From: Paul Myers (Contractor Project Manager)
Contractor: ARM Environmental Services, Inc. UST Contractor Certification Number: 4



Facility Name: Cloud's Chevron (#07777 / #12352) UST Permit #: College Corner (#07584)
Facility Address: Two Notch Road & Taylor Street, Columbia, SC
Responsible Party: Jack Lee & Alexander Lee / 3733 Greenbriar Drive, Columbia SC 2920 Phone: Acme Petroleum & Fuel Company
RP Address: Wallace Scott / 76 Whiteford Way, Lexington SC 29072 543 Cox Rd, Suite C, Gastonia, NC 28054
Property Owner (if different): Cloud's Chevron: Medical University Hospital Authority, 22 Westedge St, Charleston, SC 29403
Property Owner Address: College Corner: Fast Point Food Stores Inc., 2811 Reidville Rd, Suite 16, Spartanburg, SC 29301
Current Use of Property: Cloud's Chevron: Hospital parking lot // College Corner: Gas station & convenience store

Scope of Work (Please check all that apply)

- IGWA, Tier I, Tier II, Monitoring Well Installation, Groundwater Sampling, Other Field screening, GAC

Analyses (Please check all that apply)

- Groundwater/Surface Water: BTEXNMDCA, Oxygenates, EDB, PAH, Lead, 8 RCRA Metals, TPH, pH, BOD, Nitrate, Sulfate, Other, Methane, Ethanol, Dissolved Iron
Drinking Water Supply Wells: BTEXNMDCA, Oxygenates & Ethanol, Mercury, RCRA Metals, EDB
Soil: BTEXNM, PAH, Lead, RCRA Metals, Oil & Grease, TPH-DRO, TPH-GRO, Grain Size, TOC
Air: BTEXN

Sample Collection (Estimate the number of samples of each matrix that are expected to be collected.)

3 Soil, Water Supply Wells, Air, Field Blank, Monitoring Wells, Surface Water, Duplicate, Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.
# of shallow points proposed: 4 TMWs on map Estimated Footage: 15 to 30 ft feet per point
# of deep points proposed: 10 soil cores on map Estimated Footage: 30 feet per point
Field Screening Methodology: Direct push TMWs. Continuous core soil samples. Proposed scope is based on a map provided by Department.

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.
# of shallow wells: Estimated Footage: feet per point
# of deep wells: Estimated Footage: feet per point
# of recovery wells: Estimated Footage: feet per point
Comments, if warranted:

UST Permit #: Cloud's Chevron (#07777 / #12352) Facility Name: College Corner (#07584)

**Implementation Schedule** (Number of calendar days from approval)

Field Work Start-Up: 20 Field Work Completion: 40  
Report Submittal: 120 # of Copies Provided to Property Owners: 3

**Aquifer Characterization**

Pump Test:  Slug Test:  (Check one and provide explanation below for choice)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Investigation Derived Waste Disposal**

Soil: 1.0 Tons Purge Water: 50.0 Gallons  
Drilling Fluids: \_\_\_\_\_ Gallons Free-Phase Product: \_\_\_\_\_ Gallons

**Additional Details For This Scope of Work**

For example, list wells to be sampled, wells to be abandoned/repared, well pads/bolts/caps to replace, details of AFVR event, etc.

1 equipment mobilizations is requested - if lithology is favorable, work should be completed in 2-3 days

2 personnel mobilizations are requested for management of continuous core samples (PID screening) and collection of groundwater samples

An additional 100 feet of field screening are requested to expand scope if needed.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Compliance With Annual Contractor Quality Assurance Plan (ACQAP)**

Yes Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.  
Name of Laboratory: \_\_\_\_\_  
SCDHEC Certification Number: \_\_\_\_\_  
Name of Laboratory Director: \_\_\_\_\_

Yes Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.  
Name of Well Driller: \_\_\_\_\_  
SCLLR Certification Number: \_\_\_\_\_

     Other variations from ACQAP. Please describe below.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Attachments**

1. Attach a copy of the relevant portion of the USGS topographic map showing the site location.
2. Prepare a site base map. This map must be accurately scaled, but does not need to be surveyed. The map must include the following:

|                                    |   |
|------------------------------------|---|
| North Arrow                        | Proposed monitoring well locations                                      |
| Location of property lines         | Legend with facility name and address, UST permit number, and bar scale |
| Location of buildings              | Streets or highways (indicate names and numbers)                        |
| Previous soil sampling locations   | Location of all present and former ASTs and USTs                        |
| Previous monitoring well locations | Location of all potential receptors                                     |
| Proposed soil boring locations     |   |
3. Assessment Component Cost Agreement, SCDHEC Form D-3664



**PROJECT:**  
 ADDITIONAL ASSESSMENT PROPOSAL  
 CLOUD'S CHEVRON / COLLEGE CORNER  
 TWO NOTCH ROAD & TAYLOR STREET  
 COLUMBIA, RICHLAND COUNTY, SC  
 UST PERMIT #07777, #12352, #07584

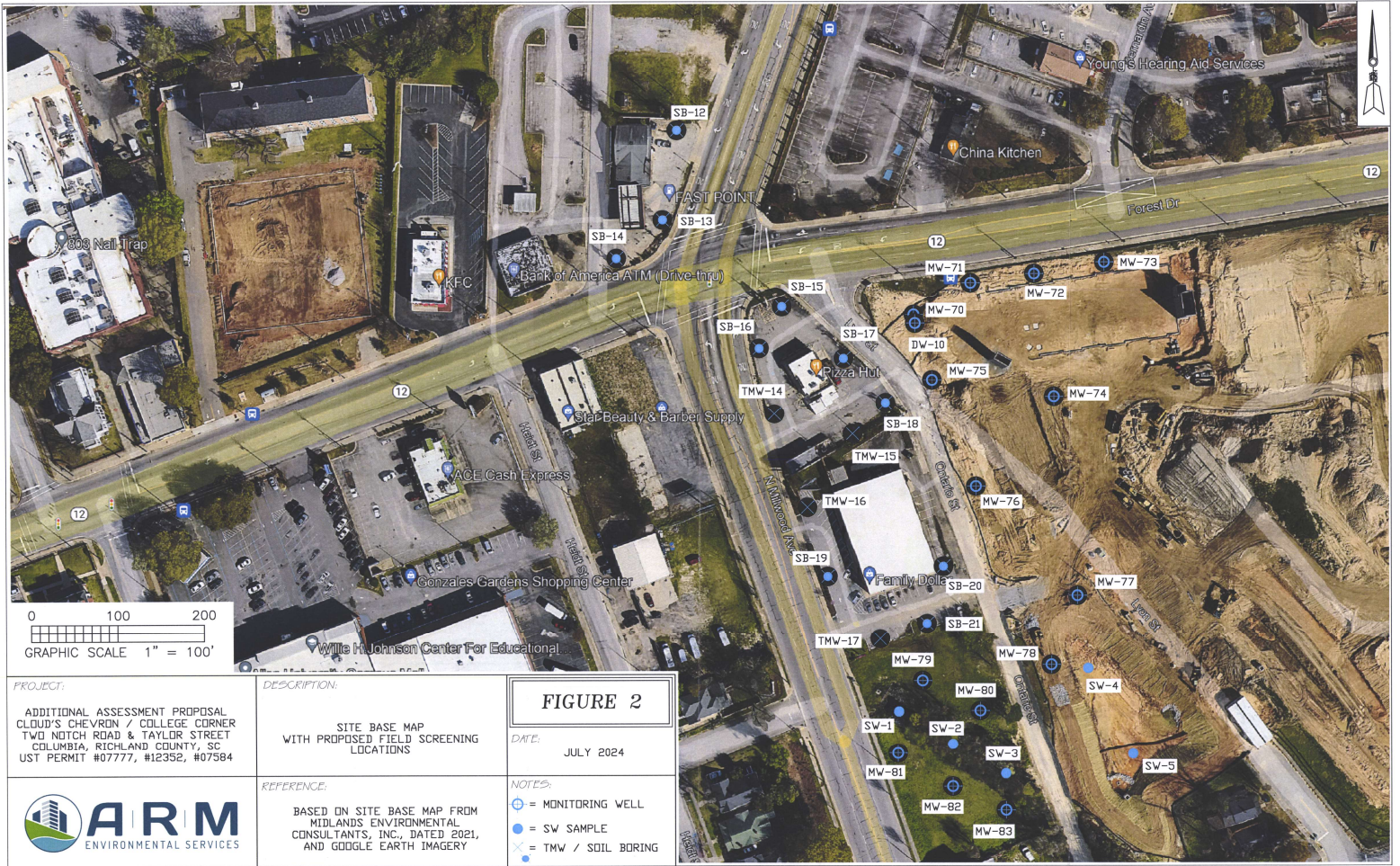
**DESCRIPTION:**  
 SITE LOCATION MAP

**FIGURE 1**  
 DATE:  
 JULY 2024



**REFERENCE:**  
 U.S.G.S. TOPOGRAPHIC MAP  
 (7.5 MINUTE SERIES)  
 COLUMBIA NORTH - 2020  
 SOUTH CAROLINA QUADRANGLE

**LEGEND:**



**PROJECT:**  
 ADDITIONAL ASSESSMENT PROPOSAL  
 CLOUD'S CHEVRON / COLLEGE CORNER  
 TWO NOTCH ROAD & TAYLOR STREET  
 COLUMBIA, RICHLAND COUNTY, SC  
 UST PERMIT #07777, #12352, #07584

**DESCRIPTION:**  
 SITE BASE MAP  
 WITH PROPOSED FIELD SCREENING  
 LOCATIONS

**FIGURE 2**  
 DATE: JULY 2024

**ARM**  
 ENVIRONMENTAL SERVICES

**REFERENCE:**  
 BASED ON SITE BASE MAP FROM  
 MIDLANDS ENVIRONMENTAL  
 CONSULTANTS, INC., DATED 2021,  
 AND GOOGLE EARTH IMAGERY

**NOTES:**  
 ○ = MONITORING WELL  
 ● = SW SAMPLE  
 ⊗ = TMW / SOIL BORING



**ASSESSMENT COMPONENT COST AGREEMENT  
SOUTH CAROLINA**

Department of Health and Environmental Control  
Underground Storage Tank Management Division  
State Underground Petroleum Environmental Response Bank Account  
PO#

**Facility Name:** College Corner / Cloud's Chevron

**UST Permit #:** 07777, 12352, 07584

**Cost Agreement #:** Pending

| ITEM  | QUANTITY | UNIT              | UNIT PRICE |  | TOTAL      |
|---|----------|-------------------|------------|--|------------|
| <b>A. Plan Preparation</b>  |          |                   |            |  |            |
| 1.1 Site-specific Work Plan   | 1        | each              | \$300.00   |  | \$300.00   |
| 2.1 Tax Map   |          | each              | \$100.00   |  | \$0.00     |
| <b>B. Receptor Survey *</b>   |          |                   |            |  |            |
|   |          | each              | \$750.00   |  | \$0.00     |
| <b>C. Survey (500 X 500 feet)</b>   |          |                   |            |  |            |
| 1.1 Comprehensive Survey  |          | each              | \$1,400.00 |  | \$0.00     |
| 5. Ground Penetrating Radar Survey (GPR)  | 1        | each              | \$3,600.00 |  | \$3,600.00 |
| <b>D. Mobilization/Demobilization</b>   |          |                   |            |  |            |
| 1.1 Equipment Mobilization  | 1        | each              | \$1,350.00 |  | \$1,350.00 |
| 2.1 Personnel Mobilization  | 2        | each              | \$600.00   |  | \$1,200.00 |
| 3.1 Adverse Terrain Vehicle   |          | each              | \$1,275.00 |  | \$0.00     |
| <b>E.. Soil Borings (hand auger)*</b>   |          |                   |            |  |            |
|   |          | per foot          | \$7.00     |  | \$0.00     |
| <b>F. Soil Borings/Field Screening (requiring equipment, push technology, etc) or Field Screening (including sampling and analysis)</b> |          |                   |            |  |            |
| 1.1 Standard Soil Boring/Field Screening  | 420      | per foot          | \$20.00    |  | \$8,400.00 |
| 2.1 Fractured Rock Screening  |          | per foot          | \$28.00    |  | \$0.00     |
| <b>I. Well Installation (per foot includes costs associated with soil screening, lithology, development, pad and ID plate)</b>          |          |                   |            |  |            |
| 1.1 Shallow monitoring wells installed using a hand auger   |          | per foot          | \$26.00    |  | \$0.00     |
| 2.A Single-cased 2" Diameter Monitoring Well (0-50 ft)  |          | per foot          | \$46.50    |  | \$0.00     |
| 2.1. Single-cased 2" Diameter Monitoring Well (>50 ft)  |          | per foot          | \$49.00    |  | \$0.00     |
| 3.1 Telescoping   |          | per foot          | \$62.00    |  | \$0.00     |
| 4.1 Rock Drilling   |          | per foot          | \$75.00    |  | \$0.00     |
| 5.1 2" Rock Coring and Retrieval  |          | per foot          | \$48.00    |  | \$0.00     |
| 6.1 Multi-sampling ports/screens  |          | per foot          | \$50.00    |  | \$0.00     |
| 7.1 Recovery Well (4" diameter well)  |          | each              | \$55.00    |  | \$0.00     |
| 9.1 Rotasonic Drilling (2" diameter well)   |          | each              | \$65.00    |  | \$0.00     |
| <b>J. Sample Collection / Gauging Depth to Product or Groundwater</b>   |          |                   |            |  |            |
| 1.1 Volumetric Groundwater Purge  |          | per well          | \$72.00    |  | \$0.00     |
| 2.1 Air or Soil Vapor Sample  |          | per receptor      | \$125.00   |  | \$0.00     |
| 3.1 Water Supply Sample   |          | per well/receptor | \$40.00    |  | \$0.00     |
| 4.1. HydraSleeve  |          |                   | \$65.00    |  | \$0.00     |
| 4.2A No purge Groundwater Sample / Surface Water Sample   |          | sample            | \$36.00    |  | \$0.00     |
| 5.1 Gauging Well Only   |          | per well          | \$10.00    |  | \$0.00     |
| 6.1 Sample Below Product  |          | sample            | \$38.00    |  | \$0.00     |
| 7.1 Passive Diffusion Bag   |          | sample            | \$35.00    |  | \$0.00     |
| 8.1 Field Duplicates (MWs & WSWs) and Field Blank   |          | each              | \$36.00    |  | \$0.00     |
| 9.1 Groundwater(Low-Flow Purge)   |          | per well/receptor | \$118.00   |  | \$0.00     |
| 10.1 Equipment Blank  |          | each              | \$25.00    |  | \$0.00     |
| 11. Sample Product  |          | sample            | \$50.00    |  | \$0.00     |

|  |                                  |            |          |  |          |
|--|----------------------------------|------------|----------|--|----------|
| <b>Facility Name:</b> College Corner / Cloud's Chevron               |                                  |            |          |  |          |
| <b>UST Permit #:</b> 07777, 12352, 07584                             | <b>Cost Agreement #:</b> Pending |            |          |  |          |
| <b>K. Laboratory Analyses - Groundwater</b>                          |                                  |            |          |  |          |
| 1.1 BTEXN, MTBE including Oxygenates and 1,2 DCA (8260D)             |                                  | sample     | \$148.00 |  | \$0.00   |
| 2.1 Dissolved Lead (6010D or 6020B)                                  |                                  | sample     | \$25.00  |  | \$0.00   |
| 3.1 BTEXN, MTBE Including Oxygenates and 1,2 DCA (8260D) <b>RUSH</b> |                                  | sample     | \$181.00 |  | \$0.00   |
| 4.1 Trimethyl, Butyl, and Isopropyl Benzenes (8260D)                 |                                  | sample     | \$34.00  |  | \$0.00   |
| 5.1 Polynuclear Aromatic Hydrocarbons (PAHs) (8070E)                 |                                  | sample     | \$82.00  |  | \$0.00   |
| 6.1 Total Lead (6010D or 6020B)                                      |                                  | sample     | \$27.00  |  | \$0.00   |
| 7.1 EDB by 8011  |                                  | sample     | \$60.00  |  | \$0.00   |
| 8.1 EDB by 8011 <b>RUSH</b>  |                                  | sample     | \$82.00  |  | \$0.00   |
| 9.1 RCRA 8 Metals  |                                  | sample     | \$80.00  |  | \$0.00   |
| 10.1 TPH - Oil and Grease (9070)                                     |                                  | per sample | \$54.00  |  | \$0.00   |
| 11.1 pH (Lab)  |                                  | per sample | \$9.00   |  | \$0.00   |
| 12.1 BOD   |                                  | per sample | \$28.00  |  | \$0.00   |
| 13.1 Ethanol - (8015)  |                                  | per sample | \$22.00  |  | \$0.00   |
| <b>K. Laboratory Analyses - Drinking Water (Water Supply Wells)</b>  |                                  |            |          |  |          |
| 14.1 BTEXN, MTBE including Oxygenates and 1,2 DCA (524.2)            |                                  | sample     | \$162.00 |  | \$0.00   |
| 15.1 8-Oxygenates (8260D)  |                                  | sample     | \$110.00 |  | \$0.00   |
| 16.1 EDB (504.1)   |                                  | sample     | \$98.00  |  | \$0.00   |
| 17.1 RCRA 8 Metals   |                                  | sample     | \$125.00 |  | \$0.00   |
| <b>K. Laboratory Analyses-Soil</b>                                   |                                  |            |          |  |          |
| 18.1 BTEXN (8260D)   |                                  | sample     | \$82.00  |  | \$0.00   |
| 19.1 PAH's (8270E)   |                                  | sample     | \$82.00  |  | \$0.00   |
| 20.1 RCRA 8 Metals   |                                  | sample     | \$80.00  |  | \$0.00   |
| 21.1 TPH - DRO (3550C/8015C)   |                                  | sample     | \$50.00  |  | \$0.00   |
| 22.1 TPH - GRO (5035B/8015C)   |                                  | sample     | \$50.00  |  | \$0.00   |
| 23.1 Grain size/Hydrometer   | 3                                | sample     | \$154.00 |  | \$462.00 |
| 24.1 Total Organic Carbon  |                                  | sample     | \$45.00  |  | \$0.00   |
| <b>K. Laboratory Analyses - Air</b>                                  |                                  |            |          |  |          |
| 25.1 BTEXN (TO-15)   |                                  | sample     | \$365.00 |  | \$0.00   |
| <b>K. Hydrocarbon Fuel Identification</b>                            |                                  |            |          |  |          |
| 27. C3 - C44 Whole Oil (ASTM D3328)                                  |                                  | sample     | \$490.00 |  | \$0.00   |
| 28. Fuel Oxygenates (1624 Mod)                                       |                                  | sample     | \$463.00 |  | \$0.00   |
| 29. ALKYL Leads, EDB MMT (8080)                                      |                                  | sample     | \$463.00 |  | \$0.00   |
| 30. C8 - C40 Full Scan (ASTM 5739)                                   |                                  | sample     | \$695.00 |  | \$0.00   |
| 31. Simulated Distillation (ASTM 2887)                               |                                  | sample     | \$463.00 |  | \$0.00   |
| 32. Parent & Alk. PAH Com. (8270 SIM)                                |                                  | sample     | \$825.00 |  | \$0.00   |
| 33. C3 - C10 Piano (8260 Mod)  |                                  | sample     | \$695.00 |  | \$0.00   |
| 34. C10+ Alkane Fingerprint (ASTM 3328)                              |                                  | sample     | \$695.00 |  | \$0.00   |
| 35. Expert Data Interpretation & Report                              |                                  | sample     | \$720.00 |  | \$0.00   |
| <b>L. Aquifer Characterization*</b>                                  |                                  |            |          |  |          |
| 2.1 Slug Test  |                                  | per test   | \$310.00 |  | \$0.00   |
| 3.1 Fractured Rock   |                                  | per test   | \$190.00 |  | \$0.00   |
| <b>M. Free Product Recovery Rate Test*</b>                           |                                  |            |          |  |          |
|  |                                  | each       | \$100.00 |  | \$0.00   |
| <b>P. Subsequent Survey*</b>   |                                  |            |          |  |          |
|  |                                  | each       | \$300.00 |  | \$0.00   |



|  |    |                                  |         |             |                    |
|--|----|----------------------------------|---------|-------------|--------------------|
| <b>Facility Name:</b> College Corner / Cloud's Chevron |    |                                  |         |             |                    |
| <b>UST Permit #:</b> 07777, 12352, 07584               |    | <b>Cost Agreement #:</b> Pending |         |             |                    |
| <b>Q. Disposal</b>                                     |    |                                  |         |             |                    |
| 1. Wastewater (per gallon)                             | 50 | gallon                           | \$0.66  |             | \$33.00            |
| 2. Free Product (per gallon)                           |    | gallon                           | \$0.68  |             | \$0.00             |
| 3. Soil Treatment/Disposal (per ton)                   | 1  | ton                              | \$82.00 |             | \$82.00            |
| 4. Drilling fluids (per gallon)                        |    | gallon                           | \$0.70  |             | \$0.00             |
| <b>Y. Well Repair</b>                                  |    |                                  |         |             |                    |
| 1.1 Additional Copies of Report                        | 3  | each                             | \$70.00 |             | \$210.00           |
| 5.1 Replace well cover bolts                           |    | each                             | \$5.00  |             | \$0.00             |
| 6.1 Replace locking well cap & lock                    |    | each                             | \$23.00 |             | \$0.00             |
| 10.1 Replace missing/illegible well ID plate           |    | each                             | \$25.00 |             | \$0.00             |
| <b>S. Report Preparation/Project Coordination</b>      |    | 15%                              | percent | \$15,637.00 | \$2,345.55         |
| <b>TOTAL</b>   |    |                                  |         |             | <b>\$17,982.55</b> |

Tier II Contract 03-2023