

## 2009 REASONABLE COST GUIDELINES

| TASK OR LABOR CODE (TLC)                                            | TASK DESCRIPTION                                                     | Reasonable Cost Guidelines (1/1/02 through 12/31/08)<br>Subject to RCG | 2009 Reasonable Cost Guidelines (effective 1/1/09) | MARKUP |
|---------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------------------|--------|
| <b>Direct Push Technology</b>                                       |                                                                      |                                                                        |                                                    |        |
| 1.1                                                                 | direct push                                                          | \$ 9.42 /foot                                                          | \$ 10.00                                           | 15%    |
| 1.1                                                                 | direct push, min. rate                                               | \$ 802.00 /day                                                         | \$ 400.00                                          | 15%    |
| 1.2                                                                 | equipment mileage                                                    | \$ 1.03 /mile                                                          | \$ 2.75                                            | 15%    |
| 1.3                                                                 | temporary well installation                                          | \$ 23.03 /well                                                         | \$ 25.00                                           | 15%    |
| 1.4                                                                 | permanent well installation                                          | \$ 8.38 /foot                                                          | \$ 9.50                                            | 15%    |
| 1.5                                                                 | well abandonment                                                     | \$ 46.07 /well                                                         | \$ 50.00                                           | 15%    |
| 1.6                                                                 | soil vapor implant materials                                         | /point                                                                 | \$ 125.00                                          | 15%    |
| 1.7                                                                 | decontamination                                                      | /day                                                                   | \$ 100.00                                          | 15%    |
| 1.99                                                                | other (specify)                                                      | /unit                                                                  | \$ -                                               | 15%    |
| <b>Drilling</b>                                                     |                                                                      |                                                                        |                                                    |        |
| 2.1                                                                 | drilling (2" well, auger, < 50')                                     | \$ 17.18 /foot                                                         | \$ 18.00                                           | 15%    |
| 2.1                                                                 | drilling (2" well, auger, portion > 50')                             | \$ 19.28 /foot                                                         | \$ 20.50                                           | 15%    |
| 2.1                                                                 | drilling (4" well, auger, < 50')                                     | \$ 20.05 /foot                                                         | \$ 20.50                                           | 15%    |
| 2.1                                                                 | drilling (4" well, auger, portion > 50')                             | \$ 22.33 /foot                                                         | \$ 23.50                                           | 15%    |
| 2.1                                                                 | drilling (other, submit bids)                                        | /foot                                                                  | \$ -                                               | 15%    |
| 2.2                                                                 | mobilization / demobilization                                        | \$ 3.17 /mile                                                          | \$ 4.00                                            | 15%    |
| 2.4                                                                 | completion of borehole as 2" MW                                      | \$ 15.85 /foot                                                         | \$ 18.00                                           | 15%    |
| 2.4                                                                 | completion of borehole as 4" MW                                      | \$ 22.69 /foot                                                         | \$ 27.00                                           | 15%    |
| 2.5                                                                 | 2" well abandonment                                                  | \$ 7.82 /foot                                                          | \$ 7.85                                            | 15%    |
| 2.5                                                                 | 4" well abandonment                                                  | \$ 11.60 /foot                                                         | \$ 11.75                                           | 15%    |
| 2.7                                                                 | soil vapor implant materials                                         | /point                                                                 | \$ 125.00                                          | 15%    |
| 2.8                                                                 | decontamination                                                      | /day                                                                   | \$ 100.00                                          | 15%    |
| 2.99                                                                | other (specify)                                                      | /unit                                                                  | \$ -                                               | 15%    |
| <b>Excavation, Transportation and Disposal of Contaminated Soil</b> |                                                                      |                                                                        |                                                    |        |
| 3.2                                                                 | mileage (in excess of 40 miles one-way)                              | \$ 0.12 /mile/yd3                                                      | \$ 0.14                                            | 15%    |
| 3.4                                                                 | excavation and loading                                               | \$ 11.17 /yd3                                                          | \$ 11.25                                           | 15%    |
| 3.4                                                                 | excavation and loading                                               | \$ 7.98 /ton                                                           | \$ 8.04                                            | 15%    |
| 3.5                                                                 | transportation of contaminated soil                                  | \$ 9.16 /yd3                                                           | \$ 11.00                                           | 15%    |
| 3.5                                                                 | transportation of contaminated soil                                  | \$ 6.54 /ton                                                           | \$ 7.86                                            | 15%    |
| 3.6                                                                 | disposal of contaminated soil                                        | \$ 13.75 /yd3                                                          | \$ 20.00                                           | 15%    |
| 3.6                                                                 | disposal of contaminated soil                                        | \$ 9.82 /ton                                                           | \$ 14.30                                           | 15%    |
| 3.7                                                                 | backfill and compaction, clean site fill                             | \$ 5.31 /yd3                                                           | \$ 5.50                                            | 15%    |
| 3.7                                                                 | backfill and compaction, imported                                    | \$ 8.02 /yd3                                                           | \$ 12.50                                           | 15%    |
| 3.7                                                                 | backfill and compaction, imported                                    | \$ 5.73 /ton                                                           | \$ 8.93                                            | 15%    |
| 3.8                                                                 | asphalt removal and disposal                                         | \$ 2.29 /ft2                                                           | \$ 2.50                                            | 15%    |
| 3.9                                                                 | concrete removal and disposal                                        | \$ 2.29 /ft2                                                           | \$ 3.50                                            | 15%    |
| 3.10                                                                | asphalt replacement, 4" thick                                        | \$ 2.87 /ft2                                                           | \$ 3.25                                            | 15%    |
| 3.11                                                                | concrete replacement, 4" thick                                       | \$ 5.15 /ft2                                                           | \$ 7.00                                            | 15%    |
| 3.99                                                                | other (specify)                                                      | /unit                                                                  | \$ -                                               | 15%    |
| <b>Groundwater Sampling</b>                                         |                                                                      |                                                                        |                                                    |        |
| 4.1                                                                 | sample wells-includes labor, bailer, tape, pH meter, tools and misc. | \$ 121.45 /well                                                        | \$ 76.00                                           | /      |

| <b>Labor</b>               |                                |                   |           |     |
|----------------------------|--------------------------------|-------------------|-----------|-----|
| 5.1                        | principal                      | \$ 120.00 /hour   | \$ 135.00 |     |
| 5.2                        | senior engineer / scientist    | \$ 97.00 /hour    | \$ 112.00 |     |
| 5.3                        | project manager                | \$ 92.00 /hour    | \$ 106.00 |     |
| 5.4                        | project engineer / scientist   | \$ 74.00 /hour    | \$ 88.00  |     |
| 5.5                        | staff engineer / scientist     | \$ 63.00 /hour    | \$ 75.00  |     |
| 5.6                        | senior technician              | \$ 51.00 /hour    | \$ 59.00  |     |
| 5.7                        | draftsperson                   | \$ 46.00 /hour    | \$ 53.00  |     |
| 5.8                        | staff technician               | \$ 40.00 /hour    | \$ 47.00  |     |
| 5.9                        | clerical and courier           | \$ 35.00 /hour    | \$ 43.00  |     |
| <b>Laboratory Analysis</b> |                                |                   |           |     |
| 6.1                        | BTEX                           | \$ 66.00 /sample  | \$ 65.00  | 15% |
| 6.2                        | TVPH                           | \$ 66.00 /sample  | \$ 55.00  | 15% |
| 6.3                        | TEPH                           | \$ 85.00 /sample  | \$ 70.00  | 15% |
| 6.4                        | TRPH                           | \$ 63.00 /sample  | \$ 63.00  | 15% |
| 6.5                        | MTBE (separate test)           | \$ 72.00 /sample  | \$ 65.00  | 15% |
| 6.6                        | Oil & Grease                   | \$ 63.00 /sample  | \$ 65.00  | 15% |
| 6.7                        | BTEX/TVPH                      | \$ 108.00 /sample | \$ 93.00  | 15% |
| 6.8                        | BTEX/MTBE                      | \$ 81.00 /sample  | \$ 75.00  | 15% |
| 6.9                        | BTEX/MTBE/TVPH                 | \$ 120.00 /sample | \$ 115.00 | 15% |
| 6.10                       | PCB screen                     | \$ 118.00 /sample | \$ 100.00 | 15% |
| 6.11                       | VOA                            | \$ 202.00 /sample | \$ 150.00 | 15% |
| 6.12                       | Semi-VOA                       | \$ 400.00 /sample | \$ 285.00 | 15% |
| 6.13                       | Total Lead (Pb)                | \$ 23.00 /sample  | \$ 28.00  | 15% |
| 6.14                       | TCLP Pb-Includes extraction    | \$ 74.00 /sample  | \$ 84.00  | 15% |
| 6.15                       | TCLP Pb&Cr-Includes extraction | \$ 82.00 /sample  | \$ 97.00  | 15% |
| 6.16                       | TCLP VOA                       | \$ 202.00 /sample | \$ 220.00 | 15% |
| 6.19                       | TCLP 8 RCRA Metals             | \$ 118.00 /sample | \$ 160.00 | 15% |
| 6.22                       | Ignitability/Flashpoint        | \$ 39.00 /sample  | \$ 40.00  | 15% |
| 6.23                       | Corrosivity                    | \$ 10.00 /sample  | \$ 14.00  | 15% |
| 6.24                       | Paint filter test              | \$ 17.00 /sample  | \$ 19.00  | 15% |
| 6.25                       | Reactivity-sulfide             | \$ 41.00 /sample  | \$ 41.00  | 15% |
| 6.26                       | Reactivity-cyanide             | \$ 41.00 /sample  | \$ 41.00  | 15% |
| 6.27                       | WET Test (acute test)          | \$ 860.00 /sample | \$ 850.00 | 15% |
| 6.28                       | BTEX (soil vapor by Tedlar)    | /sample           | \$ 105.00 | 15% |
| 6.28                       | BTEX (soil vapor by Summa)     | /sample           | \$ 225.00 | 15% |
| 6.29                       | VOA (indoor air)               | /sample           | \$ 275.00 | 15% |
| 6.30                       | Semi-VOA (16 Priority PAH's)   | /sample           | \$ 160.00 | 15% |
| 6.31                       | Microbe/Plate Count            | /sample           | \$ 35.00  | 15% |
| 6.32                       | Field test kits                | /sample           | \$ 8.00   | 15% |
| 6.33                       | Sample shipping                | /sample           | \$ -      |     |
| 6.34                       | Tedlar Bags                    | /sample           | \$ 10.00  | 15% |
| 6.35                       | BTEX/TVPH (emissions)          | /sample           | \$ 135.00 | 15% |
| 6.36                       | Total Suspended Solids (TSS)   | /sample           | \$ 20.00  | 15% |
| 6.37                       | TDS                            | /sample           | \$ 20.00  | 15% |
| 6.38                       | Alkalinity                     | /sample           | \$ 20.00  | 15% |
| 6.39                       | Total and Ferrous Iron         | /sample           | \$ 55.00  | 15% |
| 6.40                       | Nitrate                        | /sample           | \$ 21.00  | 15% |
| 6.41                       | Sulfate                        | /sample           | \$ 22.00  | 15% |
| 6.42                       | BOD                            | /sample           | \$ 40.00  | 15% |
| 6.43                       | COD                            | /sample           | \$ 30.00  | 15% |
| 6.44                       | TOC                            | /sample           | \$ 35.00  | 15% |
| 6.45                       | FOC                            | /sample           | \$ 60.00  | 15% |
| 6.98                       | Rush charges                   | /sample           | \$ -      | 15% |
| 6.99                       | other (specify)                | /sample           | \$ -      | 15% |

Applicant  
Old/New  
\$108 / 122  
\$88 / 101  
\$83 / 95  
\$67 / 80  
\$57 / 68  
\$46 / 53  
\$41 / 47  
\$36 / 42  
\$31 / 38

Unlisted Cons.  
Old/New  
\$28 / 32  
\$28 / 32  
\$28 / 32  
\$28 / 32  
\$28 / 32  
\$23 / 26  
\$21 / 24  
\$19 / 22  
\$16 / 18

| <b>Subcontractor (submit backup)</b>                  |                                                                |          |         |               |
|-------------------------------------------------------|----------------------------------------------------------------|----------|---------|---------------|
| 8.1                                                   | surveyor                                                       |          | /hr     | \$ - 15%      |
| 8.2                                                   | electrical                                                     |          | /unit   | \$ - 15%      |
| 8.3                                                   | excavator (trenching, piping)                                  |          | /cu ft  | \$ - 15%      |
| 8.5                                                   | mechanical                                                     |          | /unit   | \$ - 15%      |
| 8.6                                                   | plumbing                                                       |          | /unit   | \$ - 15%      |
| 8.7                                                   | private property utility locates                               |          | /visit  | \$ 200.00 15% |
| 8.8                                                   | remediation system subcontractors                              |          | /unit   | \$ - 15%      |
| 8.9                                                   | traffic control subcontractor                                  |          | /day    | \$ - 15%      |
| 8.10                                                  | subcontractor vacuum truck (fluids)                            |          | /hour   | \$ 110.00 15% |
| 8.12                                                  | horizontal boring subcontractor                                |          | /foot   | \$ - 15%      |
| 8.13                                                  | flow-fill subcontractor                                        |          | /foot   | \$ - 15%      |
| 8.14                                                  | potholing (includes coring)                                    |          | /hour   | \$ 175.00 15% |
| 8.15                                                  | potholing -mileage                                             |          | /mile   | \$ 2.75 15%   |
| 8.16                                                  | paving subcontractor                                           |          | /sq ft  | \$ - 15%      |
| 8.99                                                  | other subcontractor (specify)                                  |          | /unit   | \$ - 15%      |
| <b>Travel</b>                                         |                                                                |          |         |               |
| 9.1                                                   | airline travel                                                 |          | /ticket | \$ -          |
| 9.2                                                   | lodging (GSA prevailing rate)                                  | \$ 69.00 | /day    | \$ 70.00      |
| 9.3                                                   | meals (GSA prevailing rate)                                    | \$ 35.00 | /day    | \$ 39.00      |
| 9.4                                                   | mileage (IRS prevailing rate)                                  | \$ 0.36  | /mile   | \$ 0.55       |
| <b>On-Site Utilities - Permits</b>                    |                                                                |          |         |               |
| 10.6                                                  | on-site utilities                                              |          | /mo     | \$ - 15%      |
| 10.9                                                  | permits (specify)                                              |          | /unit   | \$ - 15%      |
| <b>Investigation-Derived Waste</b>                    |                                                                |          |         |               |
| 11.1                                                  | soil disposal (not dig and haul)                               |          | /yd     | \$ 14.30 15%  |
| 11.1                                                  | soil disposal (not dig and haul)                               |          | /drum   | \$ 100.00 15% |
| 11.3                                                  | soil treatment (submit backup)                                 |          | /unit   | \$ - 15%      |
| 11.4                                                  | free product disposal (submit backup)                          |          | /gal    | \$ - 15%      |
| 11.5                                                  | water disposal (offsite treatment)                             |          | /gal    | \$ 0.60 15%   |
| 11.6                                                  | water treatment (onsite treatment)                             |          | /gal    | \$ - 15%      |
| 11.7                                                  | waste transport (submit backup)                                |          | /trip   | \$ - 15%      |
| 11.99                                                 | other (specify)                                                |          | /unit   | \$ - 15%      |
| <b>Field Equipment</b> * listed consultant should own |                                                                |          |         |               |
| 12.1                                                  | misc field supplies                                            | \$ 23.00 | /day    | \$ 12.00      |
| 12.2                                                  | water level indicator*                                         |          | /day    | \$ 25.00      |
| 12.3                                                  | interface probe*                                               |          | /day    | \$ 60.00      |
| 12.4                                                  | PID *                                                          |          | /day    | \$ 75.00      |
| 12.5                                                  | explosimeter (LEL, O2, CO, H2S)                                |          | /day    | \$ 65.00 15%  |
| 12.6                                                  | DO meter (e.g. YSI 550A)                                       |          | /day    | \$ 50.00 15%  |
| 12.7                                                  | pH/cond/temp meter *                                           |          | /day    | \$ 30.00      |
| 12.8                                                  | datalogger with transducer                                     |          | /day    | \$ 155.00 15% |
| 12.9                                                  | air velocity meter (e.g. Velocicalc)*                          |          | /day    | \$ 25.00      |
| 12.10                                                 | peristaltic air sampling pump*                                 |          | /day    | \$ 10.00      |
| 12.11                                                 | pressure/vacuum gauges and valves (for portable use at wells)* |          | /day    | \$ 20.00      |
| 12.12                                                 | metal detector                                                 |          | /day    | \$ 45.00 15%  |
| 12.13                                                 | water sampling pump                                            |          | /day    | \$ - 15%      |
| 12.14                                                 | water quality meter (e.g. YSI 556)                             |          | /day    | \$ 150.00 15% |
| 12.99                                                 | other field instrumentation (specify)                          |          | /day    | \$ - 15%      |

| <b>Remediation Equipment (submit backup)</b> |                                          |       |           |     |
|----------------------------------------------|------------------------------------------|-------|-----------|-----|
| 13.1                                         | water pump                               | /each | \$ -      | 15% |
| 13.2                                         | air stripper                             | /each | \$ -      | 15% |
| 13.3                                         | storage tank                             | /each | \$ -      | 15% |
| 13.4                                         | air compressor                           | /each | \$ -      | 15% |
| 13.5                                         | telemetry                                | /each | \$ -      | 15% |
| 13.6                                         | bailer (non-disposable)                  | /each | \$ -      | 15% |
| 13.7                                         | blower (list type and hp)                | /each | \$ -      | 15% |
| 13.8                                         | off-gas treatment (list type)            | /unit | \$ -      | 15% |
| 13.9                                         | fence                                    | /each | \$ -      | 15% |
| 13.10                                        | shed                                     | /each | \$ -      | 15% |
| 13.11                                        | oil / water separator                    | /each | \$ -      | 15% |
| 13.12                                        | pressure/vacuum gauges and valves        | /each | \$ -      | 15% |
| 13.13                                        | product skimmer/pump                     | /each | \$ -      | 15% |
| 13.14                                        | control panel                            | /each | \$ -      | 15% |
| 13.15                                        | hand auger                               | /day  | \$ -      | 15% |
| 13.16                                        | generator (1-6.5 Kw)                     | /day  | \$ -      | 15% |
| 13.17                                        | survey equipment                         | /day  | \$ 45.00  | 15% |
| 13.18                                        | concrete saw                             | /day  | \$ -      | 15% |
| 13.19                                        | traffic control barricades/cones         | /day  | \$ -      | 15% |
| 13.20                                        | oxygen diffusing unit                    | /each | \$ -      | 15% |
| 13.21                                        | knock-out tank                           | /each | \$ -      | 15% |
| 13.22                                        | heavy equipment (specify)                | /day  | \$ -      | 15% |
| 13.23                                        | mobile remediation unit (list type)      | /day  | \$ -      | 15% |
| 13.24                                        | consultant vacuum truck                  | /hr   | \$ 110.00 |     |
| 13.25                                        | stationary LEL sensor                    | /each | \$ -      | 15% |
| 13.26                                        | flow meter                               | /each | \$ -      | 15% |
| 13.27                                        | remediation well vault                   | /each | \$ -      | 15% |
| 13.28                                        | tamper (jumping jack)                    | /day  | \$ -      | 15% |
| 13.29                                        | jack hammer                              | /day  | \$ -      | 15% |
| 13.30                                        | heater (including thermostat)            | /each | \$ -      | 15% |
| 13.31                                        | ventilator / fan (including thermostat)  | /each | \$ -      | 15% |
| 13.32                                        | oxygen/ozone generator                   | /each | \$ -      | 15% |
| 13.99                                        | other equipment (specify)                | /day  | \$ -      | 15% |
| <b>Materials</b>                             |                                          |       |           |     |
| 14.1                                         | lumber (specify)                         | LS    | \$ -      | 15% |
| 14.2                                         | hardware (specify)                       | LS    | \$ -      | 15% |
| 14.3                                         | absorbent booms (specify)                | LS    | \$ -      | 15% |
| 14.4                                         | drums (prefer poly or used steel)        | /each | \$ 55.00  | 15% |
| 14.5                                         | bailers (disposable)                     | /each | \$ 6.00   | 15% |
| 14.6                                         | pipng (specify, including fittings)      | LS    | \$ -      | 15% |
| 14.7                                         | sand (bag or yard) (submit bids)         | /unit | \$ -      | 15% |
| 14.8                                         | trench backfill materials (submit bids)  | /yard | \$ -      | 15% |
| 14.10                                        | concrete (bag or yard) (submit bids)     | /unit | \$ -      | 15% |
| 14.11                                        | asphalt patch (submit bids)              | /bag  | \$ -      | 15% |
| 14.12                                        | carbon canister (specify)                | /each | \$ -      | 15% |
| 14.13                                        | oxygen enhancement (submit bids)         | /unit | \$ -      | 15% |
| 14.14                                        | nutrient enhancement (submit bids)       | /unit | \$ -      | 15% |
| 14.15                                        | microbe enhancement (submit bids)        | /unit | \$ -      | 15% |
| 14.16                                        | plastic sheeting (10x100 ft roll, 6 mil) | /each | \$ 60.00  | 15% |
| 14.17                                        | oxygen tank (K cylinder)                 | /mo   | \$ 50.00  | 15% |
| 14.18                                        | tubing (<1/2 inch vinyl or nylon)        | /foot | \$ 1.00   | 15% |
| 14.19                                        | filters (specify)                        | /each | \$ -      | 15% |
| 14.20                                        | chemical oxidation products (specify)    | /each | \$ -      | 15% |
| 14.21                                        | system belts, oil, etc.                  | /mo   | \$ -      | 15% |
| 14.22                                        | oxygen dewar                             | /mo   | \$ -      | 15% |
| 14.99                                        | other materials (specify)                | /unit | \$ -      | 15% |
| <b>Other</b>                                 |                                          |       |           |     |
| 99.1                                         | Cost not addressed above (be specific)   | /unit | \$ -      | 15% |