CHAPTER 2890
DEPARTMENT OF COMMERCE
PETROLEUM TANK RELEASES

2890.1300 MAXIMUM PRELIMINARY LABOR CHARGES.

Subpart 1. **General.** When a task listed in this part is performed during the limited site investigation or full remedial investigation step of services or as part of excavation and soil disposal oversight before the investigation, the cost is prima facie unreasonable when it exceeds the amount specified for it in the proposal for consultant services or the maximum cost specified for it in this part when the task was started, whichever is less.

Subp. 2. **Administrative tasks.**

A. Agency status update has a maximum cost of $116 per field work event.

B. Applicant status update has a maximum cost of:

(1) $629 per drilling event; or

(2) $169 per quarterly sampling event.

C. Background review has a maximum cost of $678 per leak site.

D. Drum disposal management has a maximum cost of $339 per disposal.

E. Field work notification and scheduling has a maximum cost of $230 per field work event for which notification and scheduling are necessary.

F. Health and safety plan has a maximum cost of $303 per leak site.

G. Nonspecific administration has a maximum cost of $242 per step of services.

H. Off-site access time has a maximum cost of $1,210 per off-site property to which access is required.

I. Sample shipping and transportation has a maximum cost of $109 per shipping event.

J. State duty officer emergency contact has a maximum cost of $116 per call.

Subp. 3. **Consultant drilling and excavation activities.**

A. Drilling oversight, field log preparation, and soil sampling have a maximum cost of:

(1) $182 for a 25-foot or shallower boring; or

(2) $8 per foot for a boring deeper than 25 feet.

B. Free product recovery through hand bailing or portable pump has a maximum cost of $128 per well per event.

C. Hydraulic conductivity field test has a maximum cost of $169 per monitoring well for which the performance of a hydraulic conductivity field test is necessary.

D. Monitoring well installation oversight and development has a maximum cost of $339 per well, plus $169 per well that requires more than two hours for monitoring well development.

E. Monitoring well sealing oversight has a maximum cost of $85 per well.

F. Surveying and surveying equipment has a maximum cost of:

(1) $230 per surveying event for which a licensed professional surveyor is not necessary; or

(2) the reasonable actual cost up to $908 per surveying event for which a licensed professional surveyor is necessary.

G. Temporary well installation oversight has a maximum cost of:

(1) $182 for a 25-foot or shallower well; or

(2) $8 per foot for a well deeper than 25 feet.

H. Utility backfill investigation has a maximum cost of $85 per hand-auger boring.

I. Utility clearance has a maximum cost of:

(1) the reasonable actual cost up to $242 for each utility clearance event for which a private utility locator is not necessary; and

(2) the reasonable actual cost up to $605 for each utility clearance event for which a private utility locator is necessary.

Subp. 4. **Field and receptor surveys.**

A. Karst field survey has a maximum cost of $2,396.

B. Surface water receptor survey and risk evaluation has a maximum cost of $169 per leak site.

C. Vapor receptor survey and risk evaluation has a maximum cost of $847 per leak site, plus:

(1) $21 per citizen contact beyond eight; and

(2) $43 per subsurface monitoring point beyond eight.

D. Water well receptor survey and risk evaluation has a maximum cost of $911 per leak site, plus $43 per citizen contact or property surveyed beyond 15.

Subp. 5. **Sampling.**

A. AST soil sampling has a maximum cost of $43 per sample that is listed on the chain-of-custody form received by the laboratory.

B. Composted soil sampling has a maximum cost of $85 per sampling event.

C. Contaminated stockpile soil sampling has a maximum cost of $43 per sample that is listed on the chain-of-custody form received by the laboratory.

D. Excavation soil sampling has a maximum cost of:

(1) $85 per tank that is removed or abandoned plus $4.24 per cubic yard excavated when a tank is being removed or abandoned; plus

(2) $1.70 per cubic yard excavated when a tank is not being removed or abandoned; plus

(3) $85 per test pit.

E. Groundwater sampling (permanent monitoring well) has a maximum cost of $149 per well per sampling event.

F. Groundwater sampling (other than permanent monitoring well) has a maximum cost of $43 per sampling point from which a sample is taken and delivered to a laboratory for analysis.

G. Land-treated soil sampling has a maximum cost of $85 per sampling event.

Subp. 6. **Submissions to agency.**

A. Annual monitoring report preparation has a maximum cost of $1,863 per report, plus:

(1) $43 per well beyond three;

(2) $169, if follow-up vapor monitoring is performed;

(3) $9 per subsurface monitoring point beyond eight that had to be plotted on a site map; and

(4) $9 per property beyond 16 that had to be added to a property table.

B. Composting monitoring worksheet preparation has a maximum cost of $85 per worksheet.

C. Composting site application preparation has a maximum cost of $678 per composting site.

D. Excavation report preparation has a maximum cost of $593 per report.

E. Free product recovery report worksheet preparation has a maximum cost of $169 per site.

F. Investigation report preparation (full RI) has a maximum cost of:

(1) for a report recommending closure, additional vapor monitoring, or additional groundwater monitoring, $5,739, plus:

(a) $1,597 for the karst field survey attachment;

(b) $182 per soil boring beyond five;

(c) $237 per well beyond three;

(d) $9 per subsurface monitoring point beyond eight that had to be plotted on a site map; and

(e) $9 per property beyond 16 that had to be added to a property table;

(2) for a report recommending active remediation, $5,908, plus:

(a) $1,597 for the karst field survey attachment;

(b) $182 per soil boring beyond five;

(c) $237 per well beyond three;

(d) $9 per subsurface monitoring point beyond eight that had to be plotted on a site map; and

(e) $9 per property beyond 16 that had to be added to a property table; or

(3) for a full remedial investigation report submitted in response to a documented special request made by the agency after a limited site investigation report was submitted to the agency, the maximum cost for investigation report preparation (LSI only), plus:

(a) $1,355;

(b) $1,597 for the karst field survey attachment, if it was prepared in response to the documented special request made by the agency after a limited site investigation report was submitted to the agency;

(c) $182 per soil boring drilled in response to the documented special request made by the agency after a limited site investigation report was submitted to the agency; and

(d) $237 per well installed in response to the documented special request made by the agency after a limited site investigation report was submitted to the agency.

G. Investigation report preparation (LSI only) has a maximum cost of $4,208, plus:

(1) $1,597 for the karst field survey attachment;

(2) $152 per soil boring beyond five;

(3) $9 per subsurface monitoring point beyond eight that had to be plotted on a site map; and

(4) $9 per property beyond 16 that had to be added to a property table.

H. Land treatment application preparation has a maximum cost of $169 per application.

I. Land treatment monitoring worksheet preparation has a maximum cost of $128 per worksheet.

J. Land treatment site application preparation has a maximum cost of $678 per land treatment site.

K. Land treatment spreading notification form preparation has a maximum cost of $85 per notification.

L. Quarterly monitoring report preparation has a maximum cost of $466 per report, plus:

(1) $43 per well beyond three;

(2) $85, if follow-up vapor monitoring is performed;

(3) $9 per subsurface monitoring point beyond eight that had to be plotted on a site map; and

(4) $9 per property beyond 16 that had to be added to a property table.

M. Thermal treatment application preparation has a maximum cost of $169 per application.

History: *MS s 115C.07 subd 3 paragraph (f)*

2890.1400 MAXIMUM HOURLY RATES.

A. After the applicant has accepted a consultant's first written proposal for consultant services at the applicant's site, hourly rate charges for subsequent services performed at the leak site by that consultant that exceed the hourly rates listed in the consultant's first written proposal for consultant services at the applicant's site are prima facie unreasonable.

B. Notwithstanding item A, hourly rate charges that exceed by a maximum of five percent per year the hourly rates listed in the consultant's first written proposal for consultant services at the applicant's site are not prima facie unreasonable when at least one year has passed since the applicant approved that proposal in writing.

C. Notwithstanding items A and B, hourly rate charges for consultant services in excess of the following are prima facie unreasonable: senior level professional at $157 per hour, midlevel professional at $116 per hour, entry level professional at $85 per hour, field technician at $79 per hour, draftsperson at $67 per hour, and word processor at $48 per hour.

History: *MS s 115C.07 subd 3 paragraph (f)*

2890.1500 MAXIMUM TRAVEL AND PER DIEM CHARGES.

The cost for an item listed in this subpart is prima facie unreasonable when it exceeds the amount specified for it in the proposal for consultant services or the specified maximum cost, whichever is less.

A. Travel time has a maximum cost of:

(1) $85 per hour for travel necessary to perform a task listed in part 2890.1300, excluding "karst field survey";

(2) $116 per hour for travel necessary to perform "karst field survey"; and

(3) the maximum hourly rate charge specified in part 2890.1400, item C, for the traveler's level of professional expertise for travel necessary to perform a task not listed in part 2890.1300.

B. Vehicle mileage has a maximum cost of 79 cents a mile.

C. Per diem has a maximum cost of $164 per day.

History: *MS s 115C.07 subd 3 paragraph (f)*

2890.2600 MAXIMUM COSTS FOR MOBILIZATION/DEMOBILIZATION (HEAVY EQUIPMENT), SAW-CUTTING, SOIL DISPOSAL, SURFACE REMOVAL, AND SURFACE REPLACEMENT.

For a task listed in this part, the cost is prima facie unreasonable when it exceeds the amount specified for it in the bid for contractor services or the maximum cost specified for it in this part when the task was started, whichever is less.

A. Mobilization/demobilization (heavy equipment), including crew and equipment.

Equipment	Maximum cost
Dozer, loader, backhoe, or excavator, 70-250 hp. (0 to 50 miles one way)	$218 each
Dozer, loader, backhoe, or excavator, over 250 hp. (0 to 50 miles one way)	$327 each

B. Saw-cutting.

Surfacing material	Maximum cost
Asphalt	$1.52 per linear foot
Concrete	$4.36 per linear foot

C. Soil disposal.

Volume	Maximum cost
0 to 10 cubic yards	$605
11 to 150 cubic yards	$605 or $48 per cubic yard, whichever is greater
151 to 500 cubic yards	$7,260 or $43 per cubic yard, whichever is greater
more than 500 cubic yards	$21,175 or $36 per cubic yard, whichever is greater

D. Surface removal.

Surfacing material	Maximum cost
Asphalt	$4.96 per square yard
Concrete (mesh-reinforced)	$12 per square yard
Concrete (rod-reinforced)	$15 per square yard

E. Surface replacement.

Surfacing material	Maximum cost
2-inch asphalt (including compacted gravel base)	$2.42 per square foot
4-inch asphalt (including compacted gravel base)	$4.84 per square foot
6-inch reinforced concrete (including a minimum of 4-inch compacted gravel base, forms, concrete in place, finish, and cure)	$8 per square foot
8-inch reinforced concrete (including a minimum of 4-inch compacted gravel base, forms, concrete in place, finish, and cure)	$10 per square foot

History: *MS s 115C.07 subd 3 paragraph (f)*

2890.2800 AIR SAMPLE ANALYSIS.

Air sample analysis: BTEX-air has a maximum cost of $121 per analysis.

History: *MS s 115C.07 subd 3 paragraph (f)*

2890.2900 GROUNDWATER SAMPLE ANALYSIS.

Groundwater sample analysis:

A. BTEX/MTBE-water has a maximum cost of $48 per analysis;

B. dissolved oxygen-water has a maximum cost of $12 per analysis;

C. DRO-water, solvent extraction, direct injection, gas chromatography, has a maximum cost of $55 per analysis;

D. GDPH-water has a maximum cost of $182 per analysis;

E. GRO-water, purge and trap, gas chromatography, has a maximum cost of $48 per analysis;

F. lead-water has a maximum cost of $31 per analysis;

G. lead, hardness-water has a maximum cost of $21 per analysis;

H. manganese-water has a maximum cost of $31 per analysis;

I. methane-water has a maximum cost of $176 per analysis;

J. nitrate-water has a maximum cost of $24 per analysis;

K. pH-water has a maximum cost of $9 per analysis;

L. polyaromatic hydrocarbons (PAHs)-water has a maximum cost of:

(1) $164 per analysis for high performance liquid chromatography;

(2) $424 for selected ion monitoring; and

(3) $224 for other methods;

M. polychlorinated biphenyls (PCBs)-water has a maximum cost of $133 per analysis;

N. RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver)-water has a maximum cost of $182 per analysis;

O. soluble ferrous iron-water has a maximum cost of $33 per analysis;

P. sulfate-water has a maximum cost of $15 per analysis;

Q. sulfide-water has a maximum cost of $48 per analysis;

R. total iron-water has a maximum cost of $31 per analysis;

S. VOCs-water has a maximum cost of:

(1) $140 per analysis for gas chromatography; and

(2) $182 per analysis for gas chromatography/mass spectrometry.

History: *MS s 115C.07 subd 3 paragraph (f)*

2890.3000 SOIL SAMPLE ANALYSIS.

A. BTEX/MTBE-soil has a maximum cost of $48 per analysis;

B. DRO-soil has a maximum cost of $61 per analysis;

C. GDPH-soil has a maximum cost of $182 per analysis;

D. grain size analysis has a maximum cost of $182 per analysis when a hydrometer is used, and $91 per analysis when a hydrometer is not used;

E. GRO-soil has a maximum cost of $48 per analysis;

F. lead-soil has a maximum cost of $43 per analysis;

G. polyaromatic hydrocarbons (PAHs)-soil has a maximum cost of $273 per analysis;

H. polychlorinated biphenyls (PCBs)-soil has a maximum cost of $140 per analysis;

I. RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver)-soil has a maximum cost of $152 per analysis;

J. TCLP-soil, extraction only, has a maximum cost of $164 per analysis;

K. VOCs-soil has a maximum cost of:

(1) $152 per analysis for gas chromatography/mass spectrometry; and

(2) $157 per analysis for purge and trap, gas chromatography.

History: *MS s 115C.07 subd 3 paragraph (f)*

2890.3100 MAXIMUM DRILLING CHARGES, DIRECT PUSH TECHNOLOGY.

For a task listed in this part, the cost is prima facie unreasonable when it exceeds the lowest of the following: the amount specified for it in the bid for contractor services; the amount specified for it in the consultant proposal for the associated step of services; and the maximum cost specified for it in this part when the task was started.

The following costs include costs for decontamination, drilling permitting, monitoring well permitting, and completion of well-sealing notification forms:

A. direct push probing, $164 per hour if the probe unit has a retraction force of up to 15,000 pounds, or $242 per hour if the probe unit has a retraction force of greater than 15,000 pounds;

B. one-inch well completion, $164 per hour plus $15 per foot;

C. push probe sealing, $1.21 per foot;

D. mobilization/demobilization (drilling) (0 to 50 miles one way), $303;

E. mobilization/demobilization (drilling) (51 to 500 miles one way), $303 plus $7 per mile over 50;

F. mobilization/demobilization (drilling) (over 500 miles one way), $2,662; and

G. per diem, $164 per day per person.

History: *MS s 115C.07 subd 3 paragraph (f)*

2890.3300 SOIL BORING ADVANCEMENT.

Subpart 1. **General.** Costs for soil boring advancement are as described in this part.

Subp. 2. **Hollow-stem auger.** Hollow-stem auger drilling in sand, silt, or clay, with continuous sampling. Items A to D list the depth of the boring and the maximum cost per boring:

A. 0 - 25 feet, $847;

B. 26 - 50 feet, $847 plus $29 per foot beyond 25 feet;

C. 51 - 100 feet, $1,573 plus $29 per foot beyond 50 feet; and

D. over 100 feet, $4,114 plus $64 per foot beyond 100 feet.

Subp. 3. **Mud or air rotary.** Mud or air rotary drilling in limestone or hard rock, with surface sampling only. Items A to D list the depth of the boring and the maximum cost per boring:

A. 0 - 25 feet, $1,543

B. 26 - 50 feet, $1,543 plus $48 per foot beyond 25 feet;

C. 51 - 100 feet, $2,753 plus $56 per foot beyond 50 feet; and

D. over 100 feet, $5,536 plus $73 per foot beyond 100 feet.

Subp. 4. **Air coring.** Air coring of limestone or hard rock with continuous sampling. Items A to D list the depth of the boring and the maximum cost per boring:

A. 0 - 25 feet, $1,694;

B. 26 - 50 feet, $1,694 plus $55 per foot beyond 25 feet;

C. 51 - 100 feet, $3,066 plus $57 per foot beyond 50 feet; and

D. over 100 feet, $5,899 plus $81 per foot beyond 100 feet.

Subp. 5. **Rotosonic drilling.** Rotosonic drilling in sand, silt, or clay, with continuous sampling. Items A to D list the depth of the boring and the maximum cost per boring:

A. 0 - 25 feet, $1,755;

B. 26 - 50 feet, $1,755 plus $72 per foot beyond 25 feet;

C. 51 - 100 feet, $3,540 plus $77 per foot beyond 50 feet; and

D. over 100 feet, $7,412 plus $101 per foot beyond 100 feet.

History: *MS s 115C.07 subd 3 paragraph (f)*

2890.3400 ABOVEGROUND WELL INSTALLATION.

Subpart 1. **General.** Costs for well installation of an above-grade well are as described in this part.

Subp. 2. **Hollow-stem auger.** Hollow-stem auger in sand, silt, or clay, with continuous sampling:

A. subitems (1) and (2) list the depth of the well and the maximum cost per two-inch PVC well, and subitems (3) and (4) list the depth of the well and the maximum cost per two-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $1,150;

(2) 26 - 50 feet, $1,150 plus $51 per foot beyond 25 feet;

(3) 51 - 100 feet, $2,420 plus $61 per foot beyond 50 feet; and

(4) over 100 feet, $5,445 plus $73 per foot beyond 100 feet;

B. subitems (1) and (2) list the depth of the well and the maximum cost per four-inch PVC well, and subitems (3) and (4) list the depth of the well and the maximum cost per four-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $1,255;

(2) 26 - 50 feet, $1,255 plus $65 per foot beyond 25 feet;

(3) 51 - 100 feet, $2,874 plus $74 per foot beyond 50 feet; and

(4) over 100 feet, $6,534 plus $96 per foot beyond 100 feet; and

C. subitems (1) and (2) list the depth of the well and the maximum cost per six-inch PVC well, and subitems (3) and (4) list the depth of the well and the maximum cost per six-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $2,299;

(2) 26 - 50 feet, $2,299 plus $94 per foot beyond 25 feet;

(3) 51 - 100 feet, $4,629 plus $95 per foot beyond 50 feet; and

(4) over 100 feet, $9,348 plus $109 per foot beyond 100 feet.

Subp. 3. **Mud or air rotary.** Mud or air rotary in limestone or hard rock, with surface sampling only:

A. subitems (1) to (4) list the depth of the well and the maximum cost per two-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $2,118;

(2) 26 - 50 feet, $2,118 plus $55 per foot beyond 25 feet;

(3) 51 - 100 feet, $3,479 plus $64 per foot beyond 50 feet; and

(4) over 100 feet, $6,686 plus $76 per foot beyond 100 feet;

B. subitems (1) to (4) list the depth of the well and the maximum cost per four-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $2,451;

(2) 26 - 50 feet, $2,451 plus $72 per foot beyond 25 feet;

(3) 51 - 100 feet, $4,235 plus $79 per foot beyond 50 feet; and

(4) over 100 feet, $8,168 plus $85 per foot beyond 100 feet; and

C. subitems (1) to (4) list the depth of the well and the maximum cost per six-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $2,753;

(2) 26 - 50 feet, $2,753 plus $96 per foot beyond 25 feet;

(3) 51 - 100 feet, $5,143 plus $97 per foot beyond 50 feet; and

(4) over 100 feet, $9,983 plus $111 per foot beyond 100 feet.

Subp. 4. **Air coring.** Air coring in limestone or hard rock, with continuous sampling:

A. subitems (1) to (4) list the depth of the well and the maximum cost per two-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $2,662;

(2) 26 - 50 feet, $2,662 plus $69 per foot beyond 25 feet;

(3) 51 - 100 feet, $4,401 plus $81 per foot beyond 50 feet; and

(4) over 100 feet, $8,455 plus $92 per foot beyond 100 feet;

B. subitems (1) to (4) list the depth of the well and the maximum cost per four-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $3,146;

(2) 26 - 50 feet, $3,146 plus $73 per foot beyond 25 feet;

(3) 51 - 100 feet, $4,961 plus $96 per foot beyond 50 feet; and

(4) over 100 feet, $9,741 plus $111 per foot beyond 100 feet; and

C. subitems (1) to (4) list the depth of the well and the maximum cost per six-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $3,449;

(2) 26 - 50 feet, $3,449 plus $109 per foot beyond 25 feet;

(3) 51 - 100 feet, $6,171 plus $119 per foot beyond 50 feet; and

(4) over 100 feet, $12,100 plus $143 per foot beyond 100 feet.

Subp. 5. **Rotosonic drilling.** Rotosonic drilling in sand, silt, or clay, with continuous sampling:

A. subitems (1) and (2) list the depth of the well and the maximum cost per two-inch PVC well, and subitems (3) and (4) list the depth of the well and the maximum cost per two-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $2,783;

(2) 26 - 50 feet, $2,783 plus $98 per foot beyond 25 feet;

(3) 51 - 100 feet, $5,234 plus $101 per foot beyond 50 feet; and

(4) over 100 feet, $10,316 plus $119 per foot beyond 100 feet;

B. subitems (1) and (2) list the depth of the well and the maximum cost per four-inch PVC well, and subitems (3) and (4) list the depth of the well and the maximum cost per four-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $3,328;

(2) 26 - 50 feet, $3,328 plus $101 per foot beyond 25 feet;

(3) 51 - 100 feet, $5,869 plus $128 per foot beyond 50 feet; and

(4) over 100 feet, $12,221 plus $142 per foot beyond 100 feet; and

C. subitems (1) and (2) list the depth of the well and the maximum cost per six-inch PVC well, and subitems (3) and (4) list the depth of the well and the maximum cost per six-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $3,812;

(2) 26 - 50 feet, $3,812 plus $152 per foot beyond 25 feet;

(3) 51 - 100 feet, $7,593 plus $174 per foot beyond 50 feet; and

(4) over 100 feet, $16,305 plus $206 per foot beyond 100 feet.

History: *MS s 115C.07 subd 3 paragraph (f)*

2890.3500 AT-GRADE WELL INSTALLATION.

Subpart 1. **General.** Costs for well installation of an at-grade well are as described in this part.

Subp. 2. **Hollow-stem auger.** Hollow-stem auger in sand, silt, or clay, with continuous sampling:

A. subitems (1) and (2) list the depth of the well and the maximum cost per two-inch PVC well, and subitems (3) and (4) list the depth of the well and the maximum cost per two-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $1,694;

(2) 26 - 50 feet, $1,694 plus $51 per foot beyond 25 feet;

(3) 51 - 100 feet, $2,965 plus $61 per foot beyond 50 feet; and

(4) over 100 feet, $5,990 plus $73 per foot beyond 100 feet;

B. subitems (1) and (2) list the depth of the well and the maximum cost per four-inch PVC well, and subitems (3) and (4) list the depth of the well and the maximum cost per four-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $1,800;

(2) 26 - 50 feet, $1,800 plus $65 per foot beyond 25 feet;

(3) 51 - 100 feet, $3,419 plus $74 per foot beyond 50 feet; and

(4) over 100 feet, $7,079 plus $96 per foot beyond 100 feet; and

C. subitems (1) and (2) list the depth of the well and the maximum cost per six-inch PVC well, and subitems (3) and (4) list the depth of the well and the maximum cost per six-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $2,844;

(2) 26 - 50 feet, $2,844 plus $94 per foot beyond 25 feet;

(3) 51 - 100 feet, $5,173 plus $95 per foot beyond 50 feet; and

(4) over 100 feet, $9,892 plus $109 per foot beyond 100 feet.

Subp. 3. **Mud or air rotary.** Mud or air rotary in limestone or hard rock, with surface sampling only:

A. subitems (1) to (4) list the depth of the well and the maximum cost per two-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $2,662;

(2) 26 - 50 feet, $2,662 plus $55 per foot beyond 25 feet;

(3) 51 - 100 feet, $4,024 plus $64 per foot beyond 50 feet; and

(4) over 100 feet, $7,230 plus $76 per foot beyond 100 feet;

B. subitems (1) to (4) list the depth of the well and the maximum cost per four-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $2,995;

(2) 26 - 50 feet, $2,995 plus $72 per foot beyond 25 feet;

(3) 51 - 100 feet, $4,780 plus $79 per foot beyond 50 feet; and

(4) over 100 feet, $8,712 plus $85 per foot beyond 100 feet; and

C. subitems (1) to (4) list the depth of the well and the maximum cost per six-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $3,298;

(2) 26 - 50 feet, $3,298 plus $96 per foot beyond 25 feet;

(3) 51 - 100 feet, $5,687 plus $97 per foot beyond 50 feet; and

(4) over 100 feet, $10,527 plus $111 per foot beyond 100 feet.

Subp. 4. **Air coring.** Air coring in limestone or hard rock, with continuous sampling:

A. subitems (1) to (4) list the depth of the well and the maximum cost per two-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $3,207;

(2) 26 - 50 feet, $3,207 plus $69 per foot beyond 25 feet;

(3) 51 - 100 feet, $4,946 plus $81 per foot beyond 50 feet; and

(4) over 100 feet, $8,999 plus $92 per foot beyond 100 feet;

B. subitems (1) to (4) list the depth of the well and the maximum cost per four-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $3,691;

(2) 26 - 50 feet, $3,691 plus $73 per foot beyond 25 feet;

(3) 51 - 100 feet, $5,506 plus $96 per foot beyond 50 feet; and

(4) over 100 feet, $10,285 plus $111 per foot beyond 100 feet; and

C. subitems (1) to (4) list the depth of the well and the maximum cost per six-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $3,993;

(2) 26 - 50 feet, $3,993 plus $109 per foot beyond 25 feet;

(3) 51 - 100 feet, $6,716 plus $119 per foot beyond 50 feet; and

(4) over 100 feet, $12,645 plus $143 per foot beyond 100 feet.

Subp. 5. **Rotosonic drilling.** Rotosonic drilling in sand, silt, or clay, with continuous sampling:

A. subitems (1) and (2) list the depth of the well and the maximum cost per two-inch PVC well, and subitems (3) and (4) list the depth of the well and the maximum cost per two-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $3,328;

(2) 26 - 50 feet, $3,328 plus $98 per foot beyond 25 feet;

(3) 51 - 100 feet, $5,778 plus $101 per foot beyond 50 feet; and

(4) over 100 feet, $10,860 plus $119 per foot beyond 100 feet;

B. subitems (1) and (2) list the depth of the well and the maximum cost per four-inch PVC well, and subitems (3) and (4) list the depth of the well and the maximum cost per four-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $3,872;

(2) 26 - 50 feet, $3,872 plus $101 per foot beyond 25 feet;

(3) 51 - 100 feet, $6,413 plus $128 per foot beyond 50 feet; and

(4) over 100 feet, $12,766 plus $142 per foot beyond 100 feet; and

C. subitems (1) and (2) list the depth of the well and the maximum cost per six-inch PVC well, and subitems (3) and (4) list the depth of the well and the maximum cost per six-inch well (steel riser with PVC screen):

(1) 0 - 25 feet, $4,356;

(2) 26 - 50 feet, $4,356 plus $152 per foot beyond 25 feet;

(3) 51 - 100 feet, $8,138 plus $174 per foot beyond 50 feet; and

(4) over 100 feet, $16,850 plus $206 per foot beyond 100 feet.

History: *MS s 115C.07 subd 3 paragraph (f)*

2890.3600 SOIL BORING AND MONITORING WELL SEALING.

The following tasks have a maximum cost as listed in items A to E when the wells to be sealed are located in sand, silt, or clay:

A. soil boring sealing, $4.24 per foot;

B. two-inch well sealing, $12 per foot;

C. four-inch well sealing, $19 per foot;

D. six-inch well sealing, $24 per foot; and

E. at-grade well pad removal, $303 per well pad.

History: *MS s 115C.07 subd 3 paragraph (f)*

2890.3700 DRILLING MOBILIZATION/DEMOBILIZATION AND DRILL CREW PER DIEM FOR TECHNOLOGIES OTHER THAN DIRECT PUSH.

The following tasks have a maximum cost as listed in items A to D when one of these technologies is used: hollow-stem auger, mud or air rotary, air coring, or rotosonic, or when the tasks are necessary for well sealing:

A. mobilization/demobilization (drilling) (0 to 50 miles one way), $484;

B. mobilization/demobilization (drilling) (51 to 500 miles one way), $484 plus $8 per mile over 50 miles;

C. mobilization/demobilization (drilling) (over 500 miles one way), $3,751; and

D. per diem, $164 per day per person.

History: *MS s 115C.07 subd 3 paragraph (f)*

2890.3800 MAXIMUM COSTS FOR OTHER CONTRACTOR SERVICES.

For the following tasks, the cost is prima facie unreasonable when it exceeds the amount specified for it in the bid for contractor services or the maximum cost specified when the task was started, whichever is less:

A. clean fill purchase, transportation, and installation has a maximum cost of $19 per cubic yard;

B. drum disposal has a maximum cost of $182 for a drum and its contents plus $79 per hour for the associated loading and hauling;

C. excavation has a maximum cost of $9 per cubic yard;

D. hauling has a maximum cost of $121 plus $0.30 per cubic yard/mile;

E. loading has a maximum cost of $3.63 per cubic yard;

F. pumping of free product or petroleum-contaminated water using a vacuum truck has a maximum cost of:

(1) $103 per hour when a vacuum truck having a capacity of less than 3,000 gallons is used; or

(2) $121 per hour when a vacuum truck having a capacity of 3,000 gallons or more is used;

G. soil test pit excavation has a maximum cost of $121 per test pit;

H. stockpiling has a maximum cost of:

(1) $3.63 per cubic yard, when the stockpiling takes place on the leak site or the soil disposal site, or when the stockpiling takes place on property other than the leak site or the final disposal site and it is not necessary to rent the temporary storage site; or

(2) $4.24 per cubic yard, when the stockpiling takes place on property other than the leak site or the final disposal site and it is necessary to rent the temporary storage site;

I. surface disposal tipping fees has a maximum cost of the reasonable actual cost charged by the disposal facility;

J. treatment of free product or petroleum-contaminated water has a maximum cost of:

(1) $1.21 per gallon or $43, whichever is greater, for mixtures of water and light oil (diesel oil, No. 1 to No. 4 fuel oil);

(2) $2.42 per gallon or $43, whichever is greater, for mixtures of water and heavy oil (drain oil, No. 5 and No. 6 fuel oil); and

(3) $2.42 per gallon or $43, whichever is greater, for mixtures of water and gasoline; and

K. utility clearance has a maximum cost of:

(1) the reasonable actual cost up to $242 for each utility clearance event for which a private utility locator is not necessary; and

(2) the reasonable actual cost up to $605 for each utility clearance event for which a private utility locator is necessary.

History: *MS s 115C.07 subd 3 paragraph (f)*