

# Petroleum Tank Release Compensation Board

## Soil Boring/Monitoring Well Installation Unit Cost Worksheet

### Contractor Information

Company Name:

Address:

City, State, Zip:

Cost Estimator:

Phone:

Signature:

Date:

### Project Information and Specifications

Site Name:

Facility ID #

Address:

Release #

City:

WP ID #

#### Type of Drilling Equipment

Hollow-Stem Augers

Air Rotary

Direct Push

Other (please specify)

#### Monitoring Well Specifications

Number of Wells

Surface: Concrete:    Asphalt:    Barren:

Depth (per well)

Estimated Depth to Groundwater (ft)

Boring Diameter (inches)

Casing Diameter and type (inches)

Surface Completion: Flush Mount    Aboveground

#### Soil Boring

Number of Borings

Boring Diameter (inches)

Depth (per boring - ft)

Surface: Concrete:    Asphalt:    Barren:

Soil Disposal: Onsite:    Stockpile:    Drums:

Abandonment: Bentonite:    Soil Cuttings:

#### Soil Sampling

Continuous Soil Sampling

Interval Soil Sampling

(specify interval)

No Sampling

### **Cost Estimate Explanation:**

<sup>(1)</sup> Mobilization/Demobilization: Includes all costs and mileage to transport equipment, materials, and personnel to and from the site location. More than one mobilization event of either the drilling rig or support vehicle will require justification and pre-approval by the DEQ-PTCS and Board staffs. This item should be estimated on a per mile unit rate.

<sup>(2)</sup> Soil Boring Installation: Includes all costs (labor, equipment, and materials) to drill, collect soil samples and abandon soil borings, as well as decontaminate equipment. Drilling costs should be estimated using a per foot unit rate. Unit cost should include handling of contaminated soil by stockpiling or placing in drums. Assume level "C" personal protective equipment.

<sup>(3)</sup> Monitoring Well Installation: Includes all costs (labor, equipment, and materials) to drill, collect soil samples, and complete monitoring well to specifications and according to Montana Well Drillers Board rules, as well as decontaminate equipment. Drilling costs should be estimated using a per foot unit rate. Unit cost should include handling of contaminated soil by stockpiling or placing in drums. Assume level "C" personal protective equipment.

<sup>(4)</sup> Drilling Standby: Drilling standby should be estimated on an hourly basis. Prior approval and justification for accumulating standby time is needed prior to billing.

<sup>(5)</sup> Well Development: Includes all costs (labor, equipment, and materials) to develop monitoring wells. This task should be estimated using a per well unit rate.

<sup>(6)</sup> Monitoring Well Abandonment: Includes all costs (labor, equipment, and materials) to properly abandon a well location according to the Montana Well Drillers Board rules. Abandonment costs should be estimated using a per well unit rate.

## Soil Boring/Monitoring Well Installation Unit Cost Worksheet

TASK	UNIT COST	NUMBER OF UNITS	TOTAL COST
<b><u>Mobilization/Demobilization</u></b> <sup>(1)</sup>			
Mobilization/Demobilization: Drilling Rig	/mile		\$
Mobilization/Demobilization: Support Vehicle	/mile		\$
<b><u>Soil Boring Installation</u></b> <sup>(2)</sup>			
Drilling (0'-50' range per boring)	/foot		\$
Drilling (50'-100' range per boring)	/foot		\$
Other (please specify) _____			\$
<b><u>Monitoring Well Installation</u></b> <sup>(3)</sup>			
Drilling (0'-50' range per well)	/foot		\$
Drilling (50'-100' range per well)	/foot		\$
Other (please specify) _____			\$
<b><u>Drilling Standby</u></b> <sup>(4)</sup>			
-prior approval needed	/hour		\$
<b><u>Well Development</u></b> <sup>(5)</sup>			
Well Development	/well		\$
<b><u>Monitoring Well Abandonment</u></b> <sup>(6)</sup>			
Abandonment	/well		\$
<b>Lodging may only be paid at actual costs when documented by receipts.</b>			
<b><u>Per Diem</u></b>			
Lodging: (number of individuals)	/person per day		
Food: (number of individuals)	/person per day		
(Breakfast 5.00, Lunch 6.00, Dinner 12.00)			
<b>TOTAL PROJECT EXPENSE</b>			<b>\$</b>

Additional Conditions/Comments/Costs:

If you require assistance, call 406-444-9710.  
 Submit completed form to:  
 Petroleum Tank Release Compensation Board  
 PO Box 200902, Helena MT 59620-0902