

Program Task: Over-Excavation
 (Excavating and Stockpiling)

Program Task # Task 1.1.a

Date	Description	Invoice	Number of Days	Maximum Cost Allowed / Day	Total Cost Allowed
	Personnel		1	\$ 2,429.00	\$ 2,429.00
	Equipment		1	\$ 2,283.00	\$ 2,283.00
Maximum Allowed Total Cost for Task 1.1.a					\$ 4,712.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Day
	Project Manager	Office		\$ 109.00	1	\$ 109.00
	Eng. / Geo. / Sr. Env. Spec.	Office / Onsite		\$ 92.00	10	\$ 920.00
	Heavy Equipment Oper.	Onsite		\$ 50.00	10	\$ 500.00
	Heavy Equipment Oper. / Truck Driver	Onsite		\$ 50.00	10	\$ 500.00
	General Laborer	Onsite		\$ 40.00	10	\$ 400.00
Maximum Allowed Personnel Cost for Task 1.1.a					Sub-Total	\$ 2,429.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Trackhoe - up to 50K lbs*		1		\$ 958.00	\$ 958.00
Backhoe*		1		\$ 430.00	\$ 430.00
Dump truck (1 @ 10 hours x \$78.00/hr)		10		\$ 78.00	\$ 780.00
PID or FID*		1		\$ 50.00	\$ 50.00
Safety cones, barricades, caution tape		4		\$ 10.00	\$ 40.00
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Maximum Allowed Equipment Cost Per Day for Task 1.1.a				Sub-Total	\$ 2,283.00

* If utilized 3 consecutive days or more, then weekly rate should be utilized

Straw bales and plastic sheeting shall be purchased as needed, receipts required

No per-mile charges for dump truck (hourly for dump truck and truck driver only)

Program Task: Over-Excavation
(Mobilization and Demobilization)

Program Task # Task 1.1.b

Equipment

Type of Equipment	Invoice	Miles	Maximum		Mile	Total
			\$ / mile	Miles		
Excavating equipment - Category 1 (min. \$125)			1.25	300		\$ 375.00
Excavating equipment - Category 2 (min. \$270)			2.70	300		\$ 810.00
Excavating equipment - Category 3 (min. \$500) *			5.00	300		\$ 1,500.00

* - prior Division approval required for category 3 equipment

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Program Task: Over-Excavation
 (Loading Contaminated Stockpile for Disposal)

Program Task # Task 1.1.c

Date	Description	Invoice	Number of Days	Maximum Cost Allowed / Day	Total Cost Allowed
	Personnel		1	\$ 2,820.00	\$ 2,820.00
	Equipment		1	\$ 3,038.00	\$ 3,038.00
Maximum Allowed Total Cost for Task 1.1.c					\$ 5,858.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Day
	Eng. / Geo. /Sr. Env. Spec.	Onsite		\$ 92.00	10	\$ 920.00
	Heavy Equipment Oper.	Onsite		\$ 50.00	10	\$ 500.00
	Heavy Equipment Oper. / Truck Driver	Onsite		\$ 50.00	10	\$ 500.00
	Truck Driver	Onsite		\$ 50.00	10	\$ 500.00
	General Laborer	Onsite		\$ 40.00	10	\$ 400.00
Maximum Allowed Personnel Cost for Task 1.1.c					Sub-Total	\$ 2,820.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Trackhoe - up to 50K lbs*		1		\$ 958.00	\$ 958.00
Backhoe*		1		\$ 430.00	\$ 430.00
Dump truck (2 @ 10 hours x \$78.00/hr)		20		\$ 78.00	\$ 1,560.00
Safety cones, barricades, caution tape		4		\$ 10.00	\$ 40.00
PID or FID*		1		\$ 50.00	\$ 50.00
Maximum Allowed Equipment Cost Per Day for Task 1.1.c				Sub-Total	\$ 3,038.00

* If utilized 3 consecutive days or more, then weekly rate should be utilized

No per-mile charges for dump truck (hourly for dump truck and truck driver only)

Program Task: Over-Excavation
 (Laboratory Services)

Program Task # Task 1.1.d

Date	Description	Invoice	Number of Samples	Maximum Cost Allowed	Total Cost Allowed
	Analytical Cost (ex.)		1	\$ 86.00	\$ -

Analysis

Analytical Method	Invoice	Number of Analysis	Maximum Cost Allowed / Analysis	Cost per Analysis	Total
Method 8260B (soil - BTEXMN*)			\$ 86.00		\$ -
Method 8260B (soil - BTEXMN* + EDB & EDC)			\$ 136.00		\$ -
Method 1311 - TCLP (soil)			\$ 479.00		\$ -
Method TN EPH (soil)			\$ 85.00		\$ -

* BTEXMN - benzene, toluene, ethylbenzene, total xylenes, MtBE, naphthalene

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Program Task: Over-Excavation
(Replacement Backfill)

Program Task # Task 1.1.e

Equipment

Type of Equipment	Invoice	Number of ton	Maximum Cost		Cost per Ton	Total
			/Ton	Total		
Replacement backfill		1		\$ -		\$ -

Cost plus 15% markup

Must be acquired/purchased locally whenever possible

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Program Task: Over-Excavation
 (Backfilling)

Program Task # Task 1.1.f

Date	Description	Invoice	Number of Days	Maximum Cost Allowed / Day	Total Cost Allowed
	Personnel		1	\$ 2,820.00	\$ 2,820.00
	Equipment		1	\$ 3,013.00	\$ 3,013.00
Maximum Allowed Total Cost for Task 1.1.f					\$ 5,833.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Day
	Eng. / Geo. / Sr. Env. Spec.*	Onsite		\$ 92.00	10	\$ 920.00
	Heavy Equipment Oper.	Onsite		\$ 50.00	10	\$ 500.00
	Heavy Equipment Oper. / Truck Driver	Onsite		\$ 50.00	10	\$ 500.00
	Truck Driver	Onsite		\$ 50.00	10	\$ 500.00
	General Laborer	Onsite		\$ 40.00	10	\$ 400.00
Maximum Allowed Personnel Cost for Task 1.1.f					Sub-Total	\$ 2,820.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Trackhoe - up to 50K lbs*		1		\$ 958.00	\$ 958.00
Backhoe*		1		\$ 430.00	\$ 430.00
Dump truck (2 @ 10 hours x \$78.00/hr)		20		\$ 78.00	\$ 1,560.00
Safety cones, barricades, caution tape		4		\$ 10.00	\$ 40.00
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Maximum Allowed Equipment Cost Per Day for Task 1.1.f				Sub-Total	\$ 3,013.00

* If utilized 3 consecutive days or more, then weekly rate should be utilized

No per-mile charges for dump truck (hourly for dump truck and truck driver only)

Program Task: Removal GW/FP
 (Vacuum Truck)

Program Task # Task 1.2.a

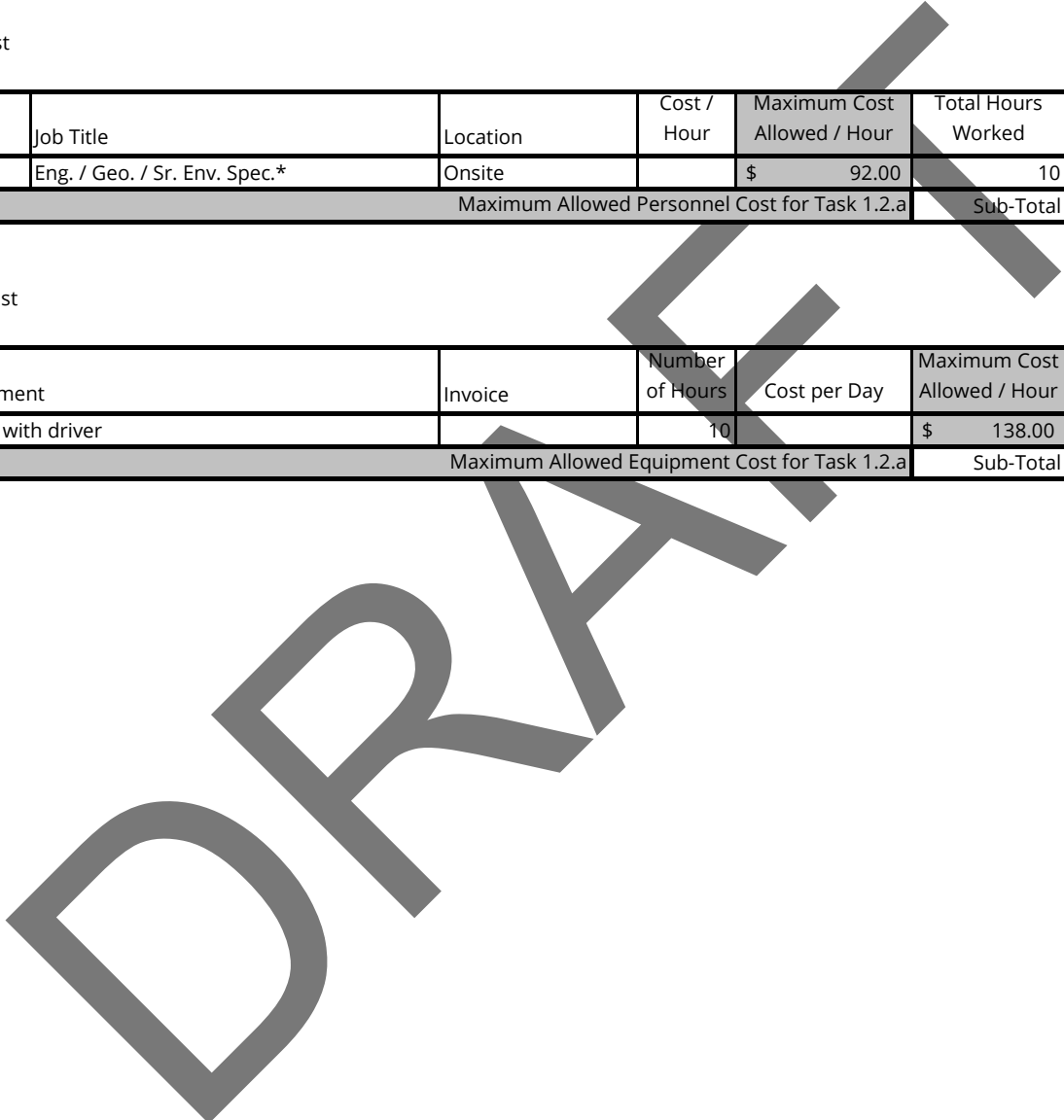
Date	Description	Invoice	Number of Days	Maximum Cost Allowed / Day	Total Cost Allowed
	Personnel		1	\$ 920.00	\$ 920.00
	Equipment		1	\$ 1,380.00	\$ 1,380.00
Maximum Allowed Total Cost for Task 1.2.a					\$ 2,300.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Day
	Eng. / Geo. / Sr. Env. Spec.*	Onsite		\$ 92.00	10	\$ 920.00
Maximum Allowed Personnel Cost for Task 1.2.a					Sub-Total	\$ 920.00

Equipment Cost

Type of Equipment	Invoice	Number of Hours	Cost per Day	Maximum Cost Allowed / Hour	Total
Vacuum truck with driver		10		\$ 138.00	\$ 1,380.00
Maximum Allowed Equipment Cost for Task 1.2.a				Sub-Total	\$ 1,380.00



Program Task: Removal GW/FP
(Mob/Demob of Vac Truck)

Program Task # Task 1.2.b

Equipment

Type of Equipment	Invoice	Miles	Maximum			Mile	Total
			\$/mile	Miles	Total		
Vacuum truck* (min. \$270)		300	2.70	300	\$ 810.00		\$ 810.00
Pump truck* (min. \$270)		300	2.70	300	\$ 810.00		\$ 810.00

* Either vacuum truck or pump truck, not both

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Program Task: Groundwater/Free Product Removal
 (Inspecting/Sampling Recharge)

Program Task # Task 1.2.c

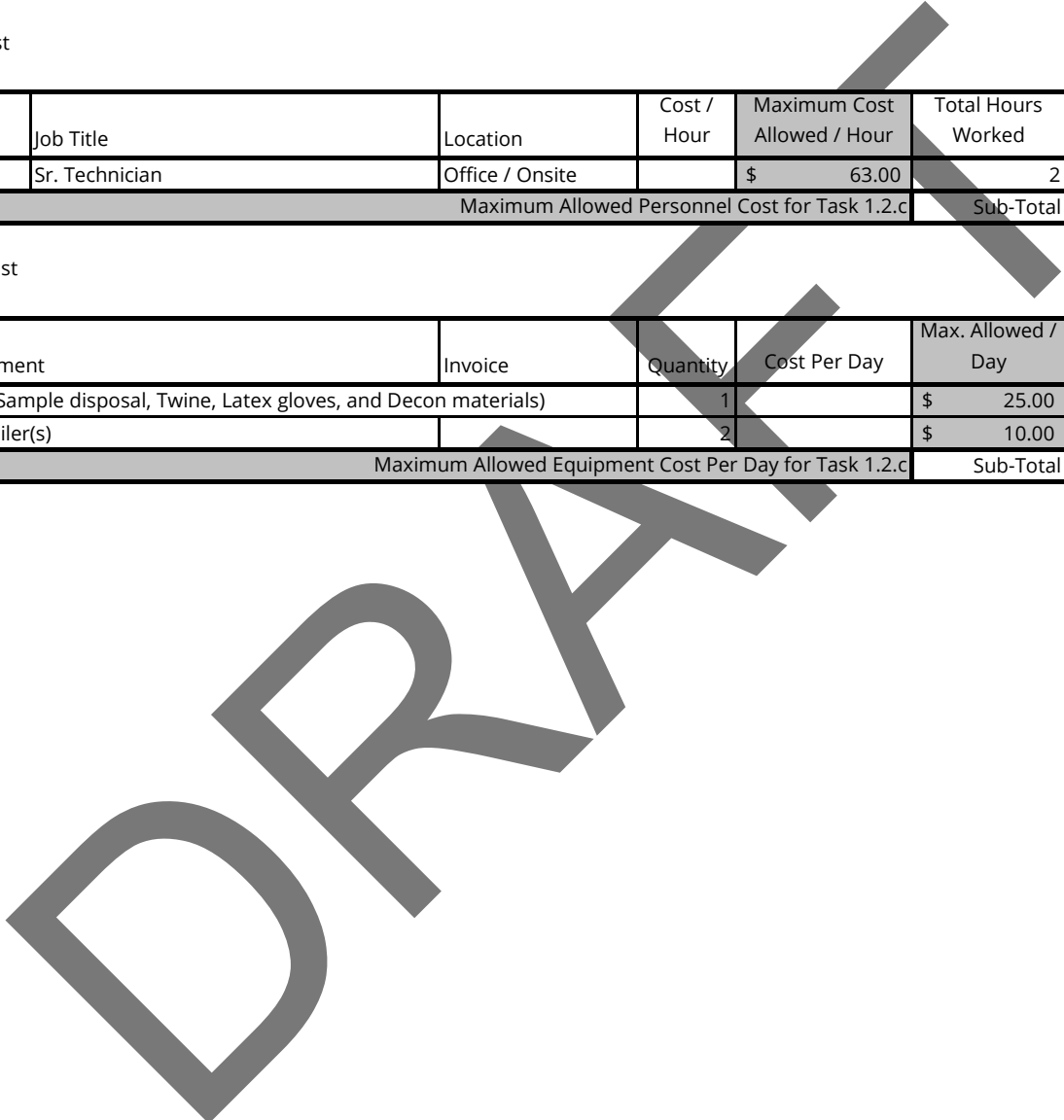
Date	Description	Invoice	Number of Days	Maximum Cost Allowed / Day	Total Cost Allowed
	Personnel		1	\$ 126.00	\$ 126.00
	Equipment		1	\$ 45.00	\$ 45.00
Maximum Allowed Total Cost for Task 1.2.c					\$ 171.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Sr. Technician	Office / Onsite		\$ 63.00	2	\$ 126.00
Maximum Allowed Personnel Cost for Task 1.2.c					Sub-Total	\$ 126.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Disposable bailer(s)		2		\$ 10.00	\$ 20.00
Maximum Allowed Equipment Cost Per Day for Task 1.2.c				Sub-Total	\$ 45.00



Program Task: Groundwater/Free Product Removal
 (Laboratory Services)

Program Task # Task 1.2.d

Date	Description	Invoice	Number of Samples	Maximum Cost Allowed	Total Cost Allowed
	Analytical Cost (ex.)		1	\$ 96.00	\$ 96.00

Analysis

Analytical Method	Invoice	Number of Analysis	Maximum Cost Allowed / Analysis	Cost per Analysis	Total
Method 8260B (water - BTEXMN*)		1	\$ 96.00		\$ 96.00
Method 8260B (water - BTEXMN* + EDB & EDC)			\$ 146.00		\$ -
Method 8011 (water - EDB)			\$ 86.00		\$ -
Method 8310/8270C SIM (PAH) - water			\$ 150.00		\$ -
Method 6010 Metals (water - Cd, Cr, Pb, Ag, Zn)			\$ 125.00		\$ -
Method 6010 Metals (water - total lead only)			\$ 25.00		\$ -

* BTEXMN - benzene, toluene, ethylbenzene, total xylenes, MtBE, naphthalene

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Program Task: Groundwater/Free Product Removal
(Disposal GW/FP)

Program Task # Task 1.2.e

Equipment

Type of material to be disposed	Invoice	Number of Gallons	Maximum Cost		Cost per Gallon	Total
			\$/gallon	Total		
Contaminated groundwater		500	\$ 0.94	\$ 470.00		\$ 470.00
Free Product (FP)			\$ 0.94	\$ -		\$ -

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Program Task: Soil Treatment - Aeration
 (Mobilization and Treatment Setup)

Program Task # Task 1.3.a.1

Date	Description	Invoice	Number of Days	Maximum Cost Allowed / Day	Total Cost Allowed
	Personnel		1	\$ 1,580.00	\$ 1,580.00
	Equipment		1	\$ 1,210.00	\$ 1,210.00
Maximum Allowed Total Cost for Task 1.3.a.1					\$ 2,790.00

Personnel Cost

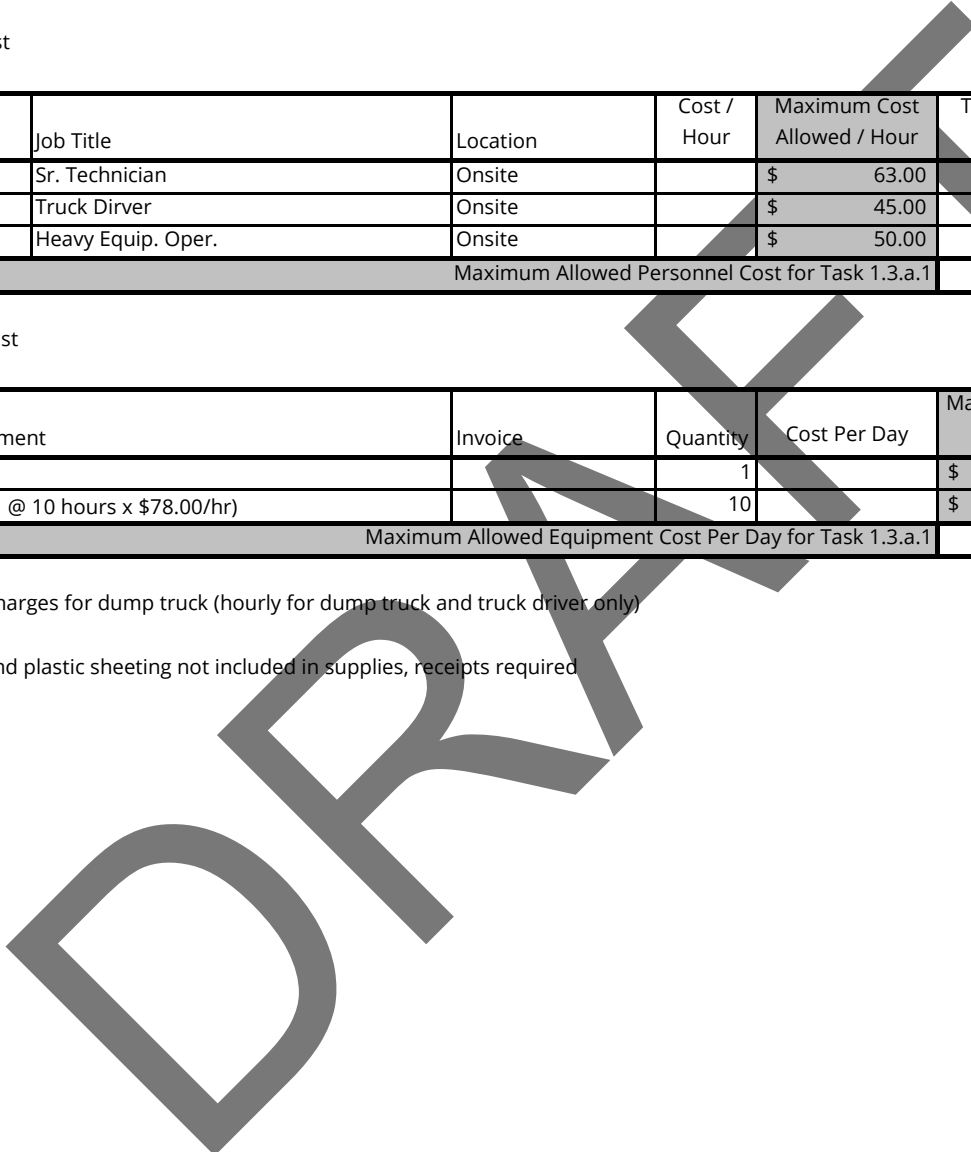
Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Day
	Sr. Technician	Onsite		\$ 63.00	10	\$ 630.00
	Truck Dirver	Onsite		\$ 45.00	10	\$ 450.00
	Heavy Equip. Oper.	Onsite		\$ 50.00	10	\$ 500.00
Maximum Allowed Personnel Cost for Task 1.3.a.1					Sub-Total	\$ 1,580.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Backhoe		1		\$ 430.00	\$ 430.00
Dump truck (1 @ 10 hours x \$78.00/hr)		10		\$ 78.00	\$ 780.00
Maximum Allowed Equipment Cost Per Day for Task 1.3.a.1				Sub-Total	\$ 1,210.00

No per-mile charges for dump truck (hourly for dump truck and truck driver only)

Straw bales and plastic sheeting not included in supplies, receipts required



Program Task: Soil Treatment - Aeration
 (Tilling/Disking)

Program Task # Task 1.3.a.2

Date	Description	Invoice	Number of Days	Maximum Cost Allowed / Day	Total Cost Allowed
	Personnel		1	\$ 200.00	\$ 200.00
	Equipment		1	\$ 590.00	\$ 590.00
Maximum Allowed Total Cost for Task 1.3.a.2					\$ 790.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Heavy Equip. Oper.	Onsite		\$ 50.00	4	\$ 200.00
Maximum Allowed Personnel Cost for Task 1.3.a.2					Sub-Total	\$ 200.00

Equipment

Type of Equipment	Invoice	Number of Days	Cost per Day	Maximum Allowed / Day	Total
Field Tractor with Attachments		1		\$ 590.00	\$ 590.00
Maximum Allowed Equipment Cost Per Day for Task 1.3.a.2				Sub-Total	\$ 590.00

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Program Task: Soil Treatment - Aeration
 (Inspecting/Maintaining Treatment Cell)

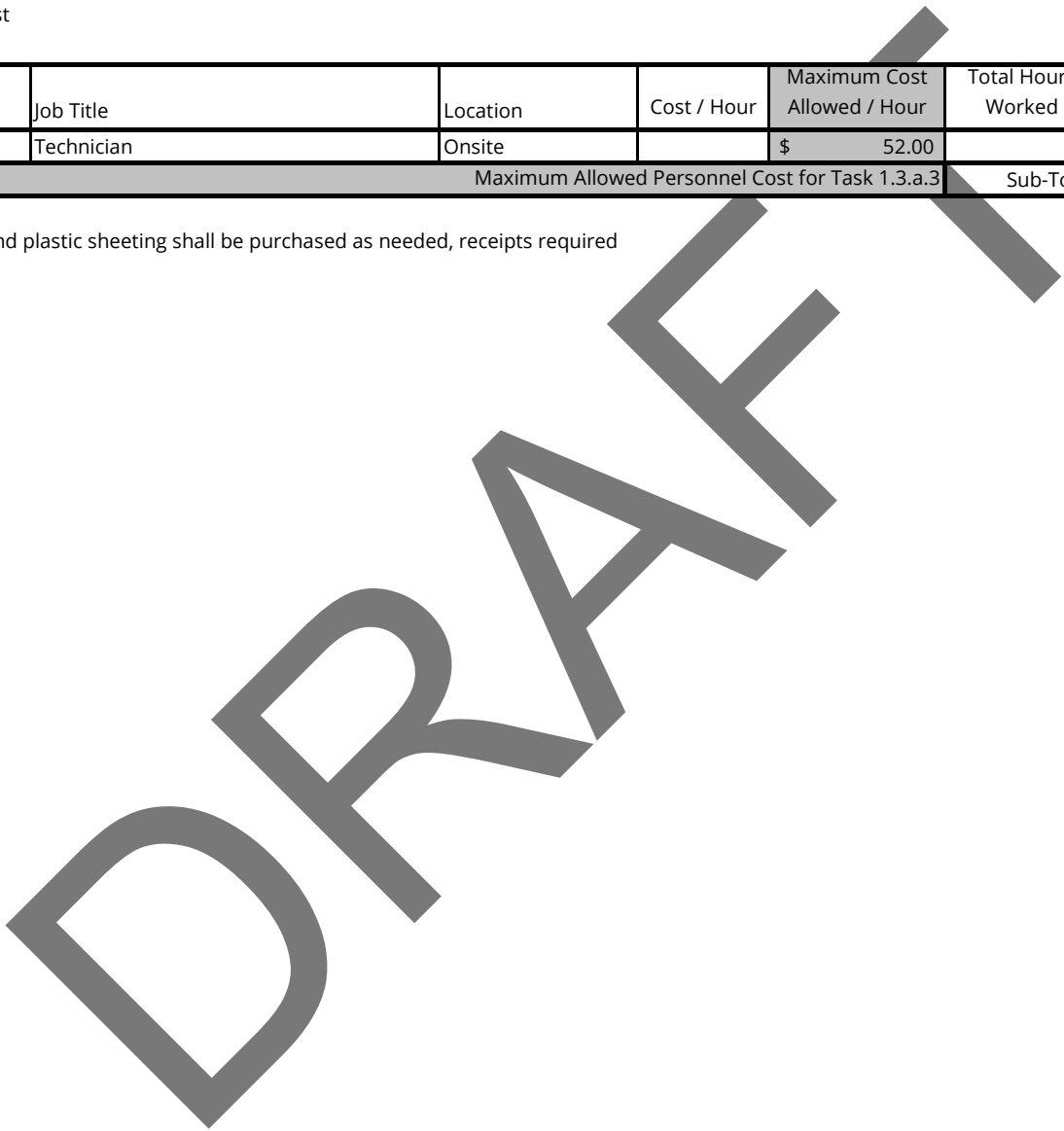
Program Task # Task 1.3.a.3

Date	Description	Invoice	Number of Days	Maximum Cost Allowed / Day	Total Cost Allowed
	Personnel		1	\$ 208.00	\$ 208.00
Maximum Allowed Total Cost for Task 1.3.a.3					\$ 208.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Technician	Onsite		\$ 52.00	4	\$ 208.00
Maximum Allowed Personnel Cost for Task 1.3.a.3					Sub-Total	\$ 208.00

Straw bales and plastic sheeting shall be purchased as needed, receipts required



Program Task: Soil Treatment - Aeration
 (TGD - 009 sampling) - **Lump Sum**

Program Task # Task 1.3.a.4

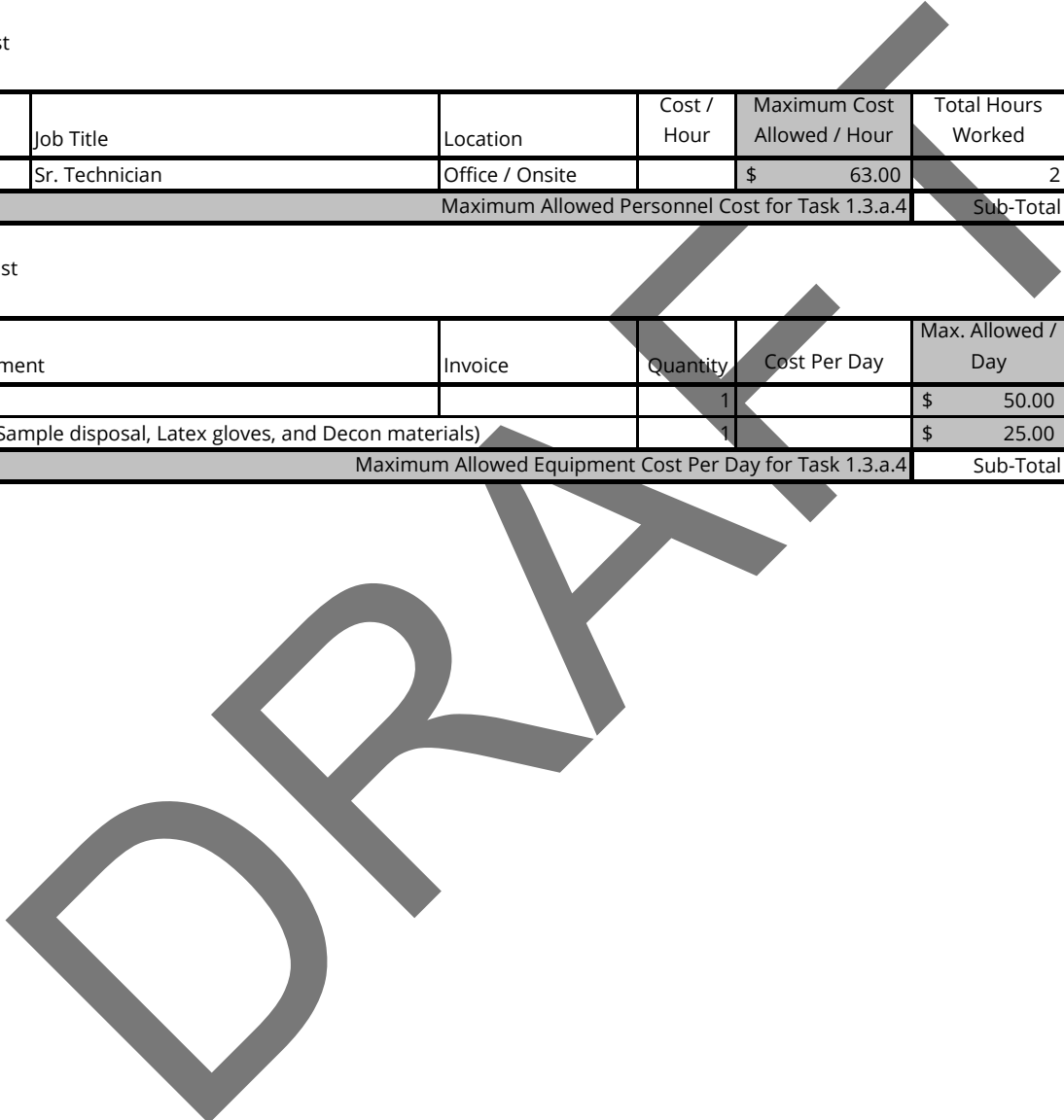
Date	Description	Invoice	Number of Days	Maximum Cost Allowed / Day	Total Cost Allowed
	Personnel		1	\$ 126.00	\$ 126.00
	Equipment		1	\$ 75.00	\$ 75.00
(LUMP SUM) Maximum Allowed Total Cost for Task 1.3.a.4					\$ 201.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Sr. Technician	Office / Onsite		\$ 63.00	2	\$ 126.00
Maximum Allowed Personnel Cost for Task 1.3.a.4					Sub-Total	\$ 126.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
PID or FID		1		\$ 50.00	\$ 50.00
Supplies (Ice, Sample disposal, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Maximum Allowed Equipment Cost Per Day for Task 1.3.a.4				Sub-Total	\$ 75.00



Program Task: Soil Treatment - Aeration
 (Laboratory Services)

Program Task # Task 1.3.a.5

Date	Description	Invoice	Number of Samples	Maximum Cost Allowed	Total Cost Allowed
	Analytical Cost (ex.)		1	\$ -	\$ -

Analysis

Analytical Method	Invoice	Number of Analysis	Maximum Cost Allowed / Analysis	Cost per Analysis	Total
Method 8260B (soil - BTEXMN*)			\$ 86.00		\$ -
Method 8260B (soil - BTEXMN* + EDB & EDC)			\$ 136.00		\$ -

* BTEXMN - benzene, toluene, ethylbenzene, total xylenes, MtBE, naphthalene

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Program Task: Hauling & Soil Disposal by Landfilling
(Scheduling)

Program Task # Task 1.3.b.1

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Project Manager	Office		\$ 109.00	2	\$ 218.00
Maximum Allowed Personnel Cost For Task 1.3.b.1						\$ 218.00

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Program Task: Hauling & Soil Disposal by Landfilling
 (Transportation - Dump Truck)

Program Task # Task 1.3.b.2

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 500.00	\$ 500.00
	Equipment		1	\$ 780.00	\$ 780.00
Maximum Allowed Total Cost for Task 1.3.b.2					\$ 1,280.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Heavy Equip. Oper. (Dump Truck Driver)		50	\$ 50.00	10	\$ 500.00
Maximum Allowed Personnel Cost for Task 1.3.b.21					Sub-Total	\$ 500.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Maximum Cost Allowed/ Hour	Total Hours Worked	Total Cost / Day
Dump truck (1 @ 10 hours x \$78.00/hr)		10	\$ 78.00	10	780
Maximum Allowed Equipment Cost Per Day for Task 1.3.b.2				Sub-Total	\$ 780.00

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Program Task: Soil Disposal by Landfilling
(Disposal)

Program Task # Task 1.3.b.3

Equipment

Type of material to be disposed	Invoice	Number of tons	Cost per Ton	Total
Contaminated soil *				

*cost plus 5%

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Program Task: Soil Disposal by Landfilling
(Drum Disposal)

Program Task # Task 1.3.b.4

Type of Item	Invoice	Number of Drums	Maximum Cost Allowed / Unit	Cost per Unit	Total
Drum Disposal (includes cost of drum)		1	\$ 200.00		\$ 200.00

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Program Task: Hauling & Soil Disposal by Landfarming
(Scheduling)

Program Task # Task 1.3.c.1

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	2	\$ 218.00
Maximum Allowed Personnel Cost for Task 1.3.c.1						\$ 218.00

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Program Task: Hauling for Disposal by Landfarming
 (Hauling)

Program Task # Task 1.3.c.2

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 500.00	\$ 500.00
	Equipment		1	\$ 780.00	\$ 780.00
Maximum Allowed Total Cost for Task 1.3.c.2					\$ 1,280.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Heavy Equip. Oper.	Onsite		\$ 50.00	10	\$ 500.00
Maximum Allowed Personnel Cost for Task 1.3.c.2					Sub-Total	\$ 500.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Dump truck		10		\$ 78.00	\$ 780.00
Maximum Allowed Equipment Cost Per Day for Task 1.3.c.2				Sub-Total	\$ 780.00

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Program Task: Soil Disposal by Landfarming
(Soil Disposal)

Program Task # Task 1.3.c.3

Equipment

Type of material to be disposed	Invoice	Number of ton	Maximum Cost		Cost per Ton	Total
			/Ton	Total		
Contaminated soil		1	\$ 39.00	\$ 39.00		\$ 39.00

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Program Task: TRBCA Closure Process
(Scheduling Drilling)

Program Task # Task 1.4.a

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	3	\$ 327.00
Maximum Allowed Personnel Cost for Task 1.4.a						\$ 327.00

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Program Task: TRBCA Closure Process
 (Supervision of Fieldwork)

Program Task # Task 1.4.b

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 1,029.00	\$ 1,029.00
	Equipment		1	\$ 85.00	\$ 85.00
Maximum Allowed Total Cost for Task 1.4.b					\$ 1,114.00

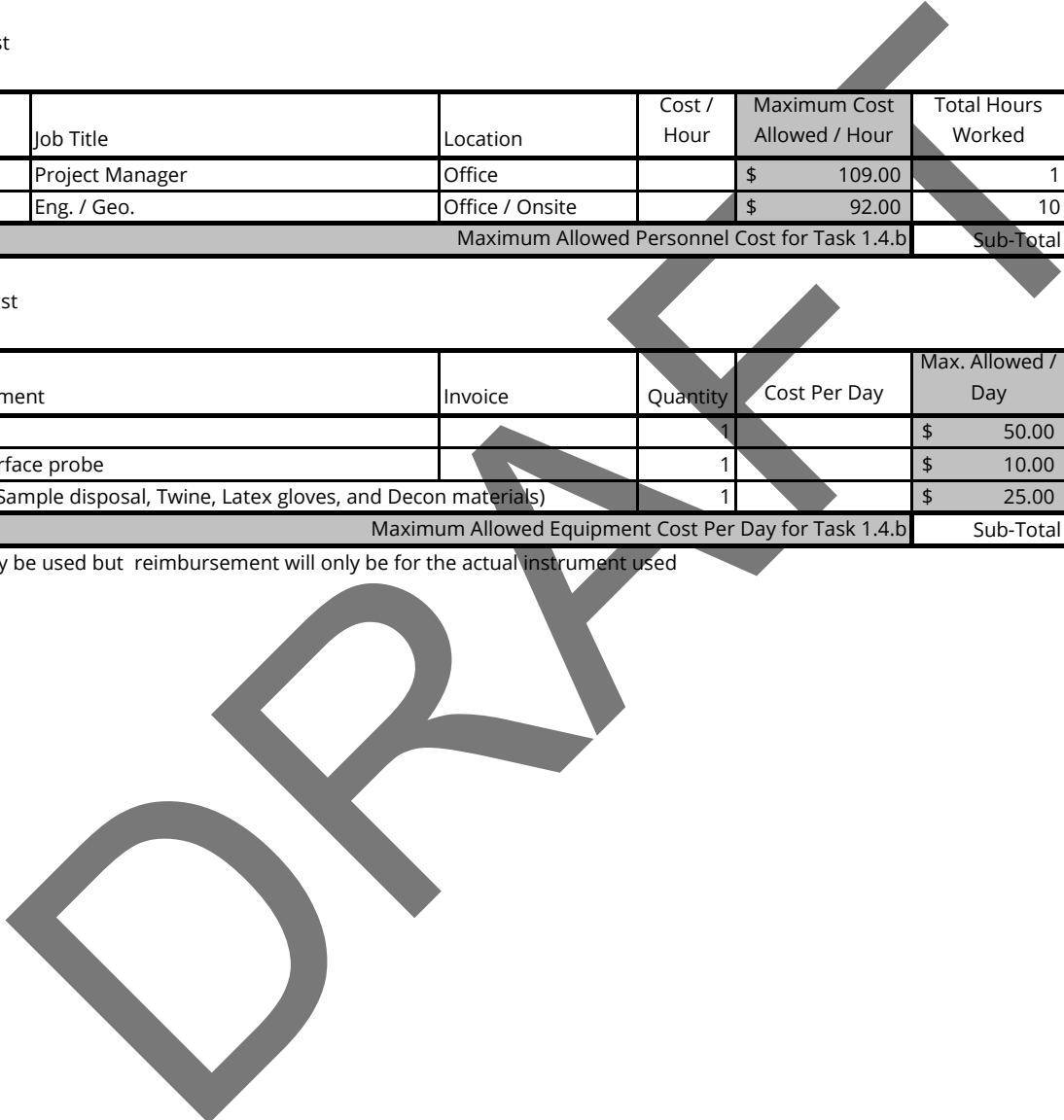
Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Day
	Project Manager	Office		\$ 109.00	1	\$ 109.00
	Eng. / Geo.	Office / Onsite		\$ 92.00	10	\$ 920.00
Maximum Allowed Personnel Cost for Task 1.4.b					Sub-Total	\$ 1,029.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
PID or FID*		1		\$ 50.00	\$ 50.00
Oil/water interface probe		1		\$ 10.00	\$ 10.00
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Maximum Allowed Equipment Cost Per Day for Task 1.4.b				Sub-Total	\$ 85.00

*Either/or may be used but reimbursement will only be for the actual instrument used



Program Task: TRBCA Closure Process
(Mobilization and Demobilization)

Program Task # Task 1.4.c

Equipment

Type of Equipment	Invoice	Number of Miles	Maximum		Mile	Total
			\$/mile	Miles		
Auger drill* (minimum \$500)		300	5.00	300.00		\$ 1,500.00
Air Rotary drill* (minimum \$500)		300	5.00	300.00		\$ 1,500.00

*includes: drill rig, support vehicles, steam cleaner, grout plant, trailers, and crew

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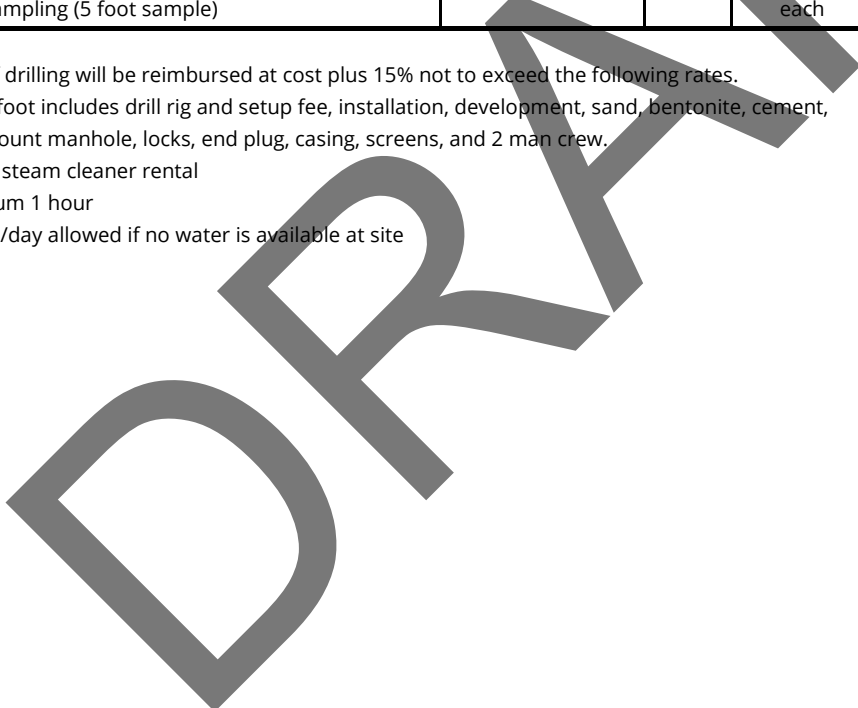
Program Task: TRBCA Closure Process
 (Drilling)

Program Task # Task 1.4.d

Drilling Cost*

Description	Invoice	Quantity	Unit	Cost Per	Max. Allowed Per	Total Cost Per
Auger Drilling 2-inch Wells			foot**		\$ 42.00	\$ -
Air Rotary Drilling 2-inch Wells			foot**		\$ 55.00	\$ -
Well Abandonment			foot		\$ 13.00	\$ -
Decontamination of Rig and Tools			boring***		\$ 150.00	\$ -
Standby Time Not Due to the Driller****			day****		\$ 150.00	\$ -
Third Man for Drilling (per hour)			hour		\$ 40.00	\$ -
Poly tank*****			day*****		\$ 50.00	\$ -
Utility Trailer			day		\$ 29.00	\$ -
500 gallons of water			day		\$ 25.00	\$ -
Water Tight Bolt Down Manhole			well		\$ 78.00	\$ -
Centralizers-stainless steel 2-inch			each		\$ 30.00	\$ -
Concrete penetration			hole		\$ 114.00	\$ -
Removal of manhole cover and well pad			well		\$ 150.00	\$ -
Split Spoon Sampling (ASTM-D1586)			split spoon		\$ 24.00	\$ -
Continuous sampling (5 foot sample)			each		\$ 55.00	\$ -

- * - The cost of drilling will be reimbursed at cost plus 15% not to exceed the following rates.
- ** - Price per foot includes drill rig and setup fee, installation, development, sand, bentonite, cement, flush mount manhole, locks, end plug, casing, screens, and 2 man crew.
- *** - Includes steam cleaner rental
- **** - Maximum 1 hour
- ***** - Only 1/day allowed if no water is available at site



Program Task: Drilling
Well Development (one well)

Program Task # Task 1.4.e

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 184.00	\$ 184.00
	Equipment		1	\$ 218.00	\$ 218.00
Maximum Allowed Total Cost for Task 1.4.e					\$ 402.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Eng. / Geo. / Sr. Env. Spec.*	Onsite		\$ 92.00	2	\$ 184.00
	Env. Spec*	Onsite		\$ 70.00	0	\$ -
	Sr. Technician*	Onsite		\$ 63.00	0	\$ -
Maximum Allowed Personnel Cost for Task 1.4.e					Sub-Total	\$ 184.00

* One technical staff member onsite from the job titles listed with an "*"

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Disposable bailer(s)		1		\$ 10.00	\$ 10.00
Generator 5kW		1		\$ 100.00	\$ 100.00
Oil/water interface probe		1		\$ 10.00	\$ 10.00
pH meter		1		\$ 10.00	\$ 10.00
Submersible well development pump (electric)		1		\$ 53.00	\$ 53.00
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Turbidity meter		1		\$ 10.00	\$ 10.00
Maximum Allowed Equipment Cost Per Day for Task 1.4.e				Sub-Total	\$ 218.00

Number of Wells Sampled

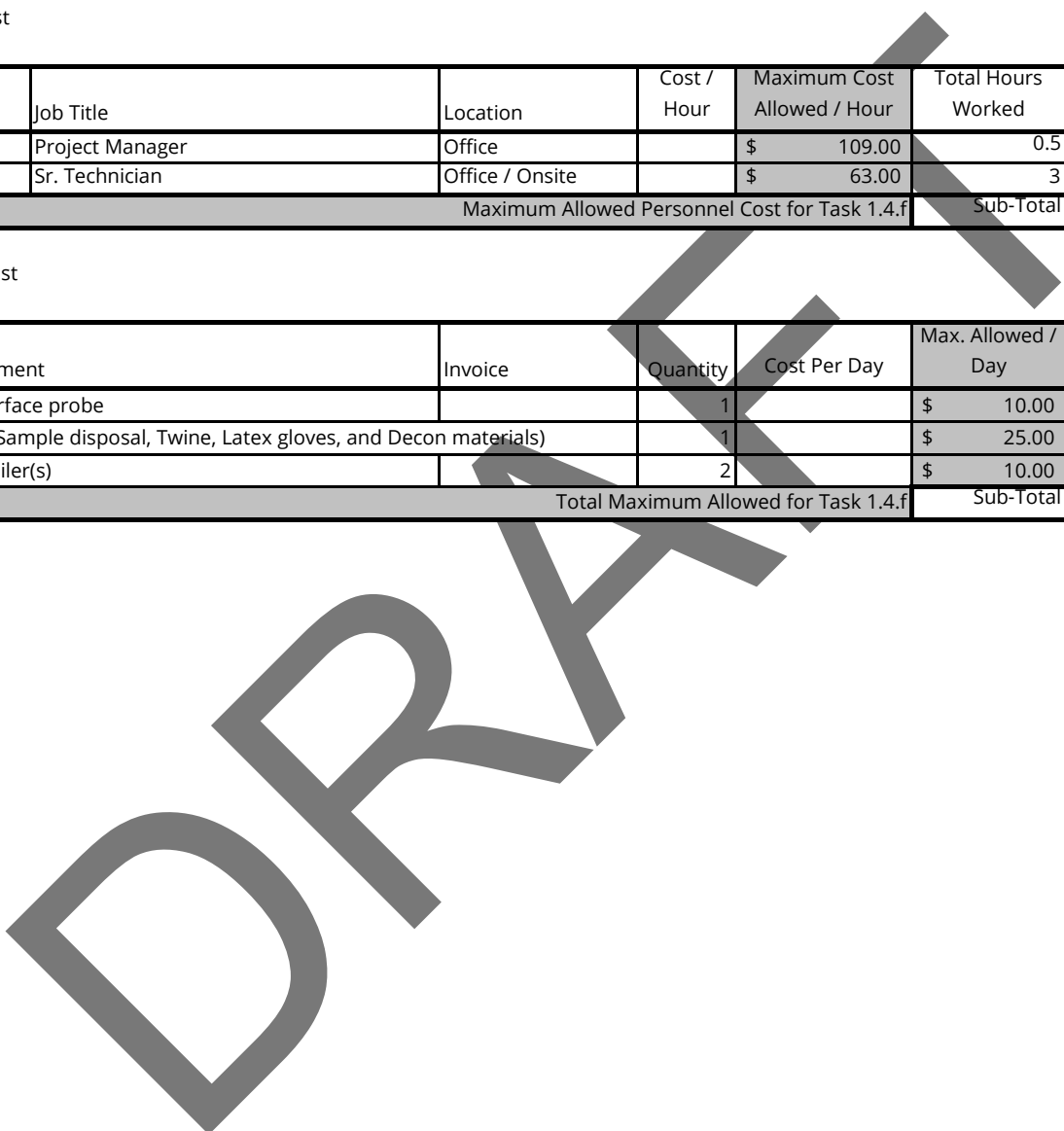
Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 243.50	\$ 243.50
	Equipment		1	\$ 55.00	\$ 55.00
(LUMP SUM) Maximum Allowed Total				Cost for Task 1.4.f	\$ 298.50

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Project Manager	Office		\$ 109.00	0.5	\$ 54.50
	Sr. Technician	Office / Onsite		\$ 63.00	3	\$ 189.00
Maximum Allowed Personnel Cost for Task 1.4.f					Sub-Total	\$ 243.50

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Oil/water interface probe		1		\$ 10.00	\$ 10.00
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Disposable bailer(s)		2		\$ 10.00	\$ 20.00
Total Maximum Allowed for Task 1.4.f				Sub-Total	\$ 55.00



Program Task: TRBCA Closure Process
 (Laboratory Services)

Program Task # Task 1.4.g

Date	Description	Invoice	Number of Samples	Maximum Cost Allowed	Total Cost Allowed
	Analytical Cost (ex.)		1	\$ 96.00	\$ 96.00

Analysis

Analytical Method	Invoice	Number of Analysis	Maximum Cost Allowed / Analysis	Cost per Analysis	Total
Method 8260B (water - BTEXMN*)		1	\$ 96.00		\$ 96.00
Method 8260B (water - BTEXMN* + EDB & EDC)			\$ 146.00		\$ -
Method 8011 (water - EDB)			\$ 86.00		\$ -
Method 8310/8270C SIM (PAH) - water			\$ 150.00		\$ -
Method 6010 Metals (water - Cd, Cr, Pb, Ag, Zn)			\$ 125.00		\$ -
Method 6010 Metals (water - total lead only)			\$ 25.00		\$ -
Method 8260B (soil - BTEXMN*)			\$ 86.00		\$ -
Method 8260B (soil - BTEXMN* + EDB & EDC)			\$ 136.00		\$ -

* BTEXMN - benzene, toluene, ethylbenzene, total xylenes, MtBE, naphthalene

DRAFT

Program Task: TRBCA Closure Process
(Water Use and Karst Survey)

Program Task # Task 1.4.h

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Eng. / Geo. / Sr. Env. Spec.*	Office / Onsite		\$ 92.00	10	\$ 920.00
	Secretary	Office		\$ 40.00	3	\$ 120.00
Maximum Allowed Personnel Cost for Task 1.4.h						\$ 1,040.00

* One technical staff member onsite from the job titles listed with an "*"

DRAFT

Program Task: TRBCA Closure Process
(Drum Disposal)

Program Task # Task 1.4.i

Type of Item	Invoice	Number of Drums	Maximum Cost Allowed / Unit	Cost per Unit	Total
Drum Disposal (includes cost of drum)		1	\$ 200.00		\$ 200.00

DRAFT

Program Task: TRBCA Closure Process
(Landfill Disposal)

Program Task # Task 1.4.j

Equipment

Type of material to be disposed	Invoice	Number of tons	Maximum Cost		Cost per ton	Total
			/ton	Total		
Contaminated soil *		1	\$ -	\$ -		\$ -

*cost plus 5%

DRAFT

Program Task: TRBCA Closure Process
(Drum Disposal at Landfill)

Program Task # Task 1.4.k

Type of Item	Invoice	Number of Drums	Maximum Cost Allowed / Unit	Cost per Unit	Total
Drum Disposal (includes cost of drum)		1	\$ 200.00		\$ 200.00

DRAFT

Program Task: Interceptor/Recovery Trench Installation
(Trench Design)

Program Task # Task 2.1.a.

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	1	\$ 109.00
	Eng. / Geo. / Sr. Env. Spec.	Office		\$ 92.00	4	\$ 368.00
	CAD Operator	Office		\$ 58.00	2	\$ 116.00
	Secretary	Office		\$ 40.00	3	\$ 120.00
Maximum Allowed Personnel Cost for Task 2.1.a					Sub-Total	\$ 713.00

DRAFT

Program Task: Interceptor/Recovery Trench Installation
(Mobilization and Demobilization)

Program Task # Task 2.1.b

Equipment

Type of Equipment	Invoice	Number of Miles	Maximum		Mile	Total
			\$/mile	Miles		
Excavating equipment - Category 1 (min. \$125)			1.25	300.00		\$ 375.00
Excavating equipment - Category 2 (min. \$270)			2.70	300.00		\$ 810.00

DRAFT

Program Task: Interceptor/Recovery Trench
 (Installation)

Program Task # Task 2.1.c

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 2,320.00	\$ 2,320.00
	Equipment		1	\$ 2,594.00	\$ 2,594.00
Maximum Allowed Total Cost for Task 2.1.c					\$ 4,914.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Day
	Eng. / Geo. / Sr. Env. Spec.	Onsite		\$ 92.00	10	\$ 920.00
	Heavy Equipment Oper.	Onsite		\$ 50.00	10	\$ 500.00
	Heavy Equipment Oper. / Truck Driver	Onsite		\$ 50.00	10	\$ 500.00
	General Laborer	Onsite		\$ 40.00	10	\$ 400.00
Maximum Allowed Personnel Cost for Task 2.1.c					Sub-Total	\$ 2,320.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Trackhoe - up to 50K lbs*		1		\$ 958.00	\$ 958.00
Backhoe*		1		\$ 430.00	\$ 430.00
Dump truck (1 @ 10 hours x \$78.00/hr)		10		\$ 78.00	\$ 780.00
Safety cones, barricades, caution tape		2		\$ 10.00	\$ 20.00
PID or FID*		1		\$ 50.00	\$ 50.00
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Self-priming centrifugal pump (trash)		1		\$ 81.00	\$ 81.00
Piping		10		\$ 25.00	\$ 250.00
Maximum Allowed Equipment Cost Per Day for Task 2.1.c				Sub-Total	\$ 2,594.00

* If utilized 3 consecutive days or more, then weekly rate should be utilized

Straw bales and plastic sheeting shall be purchased as needed, receipts required

Program Task: Interceptor Recovery Trench
 (Landfill Disposal)

Program Task # Task 2.1.d

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 2,320.00	\$ 2,320.00
	Equipment		1	\$ 2,238.00	\$ 2,238.00
Maximum Allowed Total Cost for Task 2.1.d					\$ 4,558.00

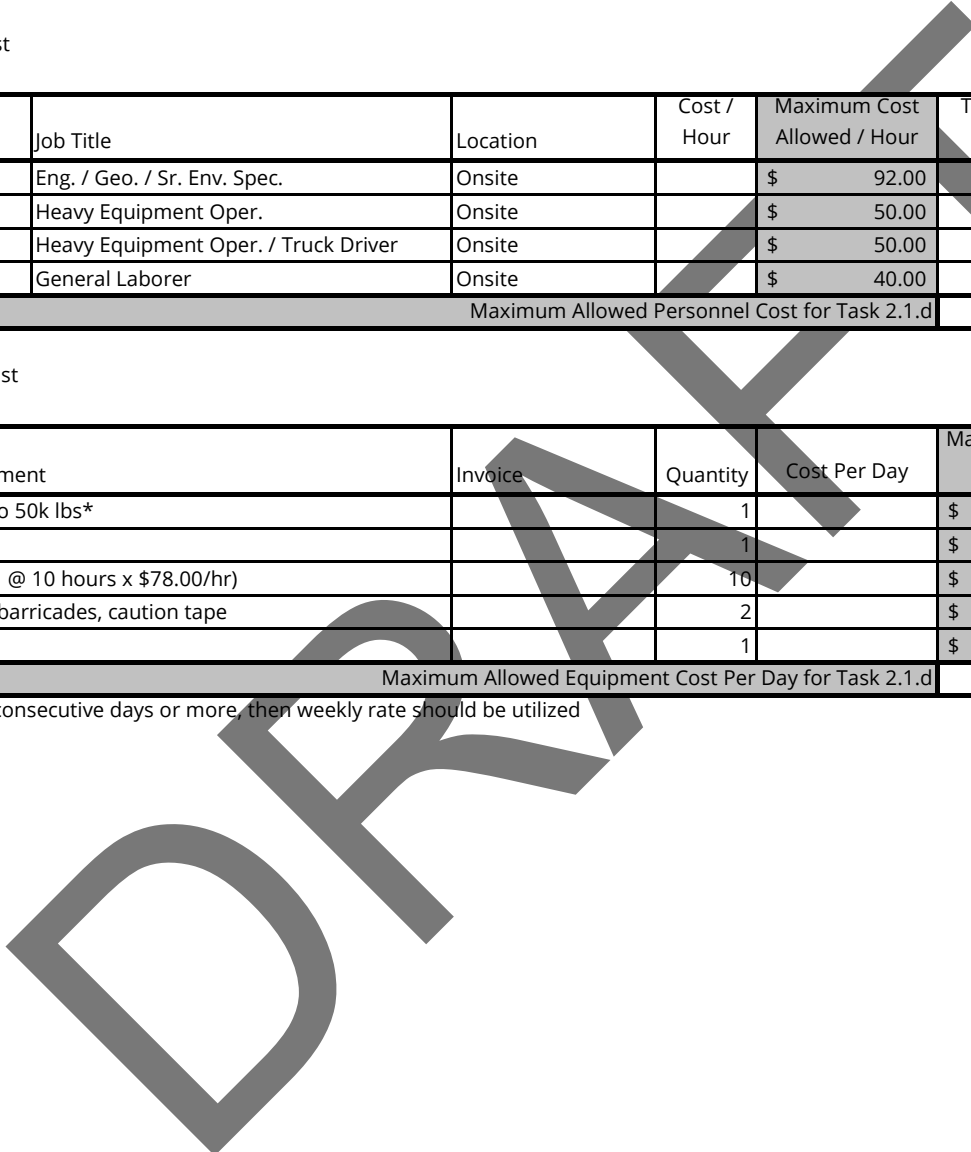
Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Day
	Eng. / Geo. / Sr. Env. Spec.	Onsite		\$ 92.00	10	\$ 920.00
	Heavy Equipment Oper.	Onsite		\$ 50.00	10	\$ 500.00
	Heavy Equipment Oper. / Truck Driver	Onsite		\$ 50.00	10	\$ 500.00
	General Laborer	Onsite		\$ 40.00	10	\$ 400.00
Maximum Allowed Personnel Cost for Task 2.1.d					Sub-Total	\$ 2,320.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Trackhoe up to 50k lbs*		1		\$ 958.00	\$ 958.00
Backhoe*		1		\$ 430.00	\$ 430.00
Dump truck (1 @ 10 hours x \$78.00/hr)		10		\$ 78.00	\$ 780.00
Safety cones, barricades, caution tape		2		\$ 10.00	\$ 20.00
PID or FID*		1		\$ 50.00	\$ 50.00
Maximum Allowed Equipment Cost Per Day for Task 2.1.d				Sub-Total	\$ 2,238.00

* If utilized 3 consecutive days or more, then weekly rate should be utilized



Program Task: Interceptor/Recovery Trench Installation
(Backfill)

Program Task # Task 2.1.e

Equipment

Type of Equipment	Invoice	Number of ton	Maximum Cost		Cost per Unit	Total
			/Ton	Total		
Replacement backfill		1		\$ -		\$ -

Cost plus 15% markup

Must be acquired/purchased locally whenever possible

DRAFT

Program Task: Interceptor/Recovery Trench Installation
(Asphalt Repair)

Program Task # Task 2.1.f

Maximum cost is equal to the cost of the bid plus 15%, and change orders if applicable, submitted to the Division and approved in writing.

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Program Task: Interceptor/Recovery Trench Installation
(Concrete Repair)

Program Task # Task 2.1.g

Maximum cost is equal to the cost of the bid plus 15%, and change orders if applicable, submitted to the Division and approved in writing.

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Program Task: Interceptor/Recovery Trench Installation
(Repair of Landscaping)

Program Task # Task 2.1.h

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Technician	Onsite		\$ 52.00	2	\$ 104.00
Maximum Allowed Personnel Cost for Task 2.1.h						\$ 104.00

Grass seed, straw bales, and/or mulch at cost + 15%, receipts required

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Program Task: Interceptor/Recovery Trench Installation
 (Backfilling)

Program Task # Task 2.1.i

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 2,820.00	\$ 2,820.00
	Equipment		1	\$ 3,043.00	\$ 3,043.00
Maximum Allowed Total Cost for Task 2.1.i					\$ 5,863.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Day
	Eng. / Geo. / Sr. Env. Spec.	Onsite		\$ 92.00	10	\$ 920.00
	Heavy Equipment Oper.	Onsite		\$ 50.00	10	\$ 500.00
	Heavy Equipment Oper. / Truck Driver	Onsite		\$ 50.00	10	\$ 500.00
	Truck Driver	Onsite		\$ 50.00	10	\$ 500.00
	General Laborer	Onsite		\$ 40.00	10	\$ 400.00
Maximum Allowed Personnel Cost for Task 2.1.i					Sub-Total	\$ 2,820.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Trackhoe up to 50K lb*		1		\$ 958.00	\$ 958.00
Backhoe*		1		\$ 430.00	\$ 430.00
Dump truck (2 @ 10 hours x \$78.00/hr)		20		\$ 78.00	\$ 1,560.00
Safety cones, barricades, caution tape		2		\$ 10.00	\$ 20.00
PID or FID*		1		\$ 50.00	\$ 50.00
Supplies		1		\$ 25.00	\$ 25.00
Maximum Allowed Equipment Cost Per Day for Task 2.1.i				Sub-Total	\$ 3,043.00

* If utilized 3 consecutive days or more, then weekly rate should be utilized

Program Task: Removal GW/FP
 (Vacuum Truck)

Program Task # Task 2.2.a

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ -	\$ 630.00
	Equipment		1	\$ 138.00	\$ 1,380.00
Maximum Allowed Total Cost for Task 2.2.a					\$ 2,010.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Sr. Technician	Onsite		\$ 63.00	10	\$ 630.00
Maximum Allowed Personnel Cost for Task 2.2.a					Sub-Total	\$ 630.00

Equipment Cost

Type of Equipment	Invoice	Number of Hours	Cost per Day	Maximum Cost Allowed / Hour	Total
Vacuum Truck with driver		10		\$ 138.00	\$ 1,380.00
Maximum Allowed Equipment Cost for Task 2.2.a				Sub-Total	\$ 1,380.00

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Program Task: Removal GW/FP
(Mobilization and Demobilization)

Program Task # Task 2.2.b

Equipment

Type of Equipment	Invoice	Number of Miles	Maximum		Mile	Total
			\$/mile	Miles		
Vacuum truck* (minimum \$270)			2.70	300.00		\$ 810.00
Pump truck* (minimum \$270)			2.70	300.00		\$ 810.00

* Either vacuum truck or pump truck, not both

DRAFT

Program Task: Removal GW/FP
 (Groundwater Sampling)

Program Task # Task 2.2.c

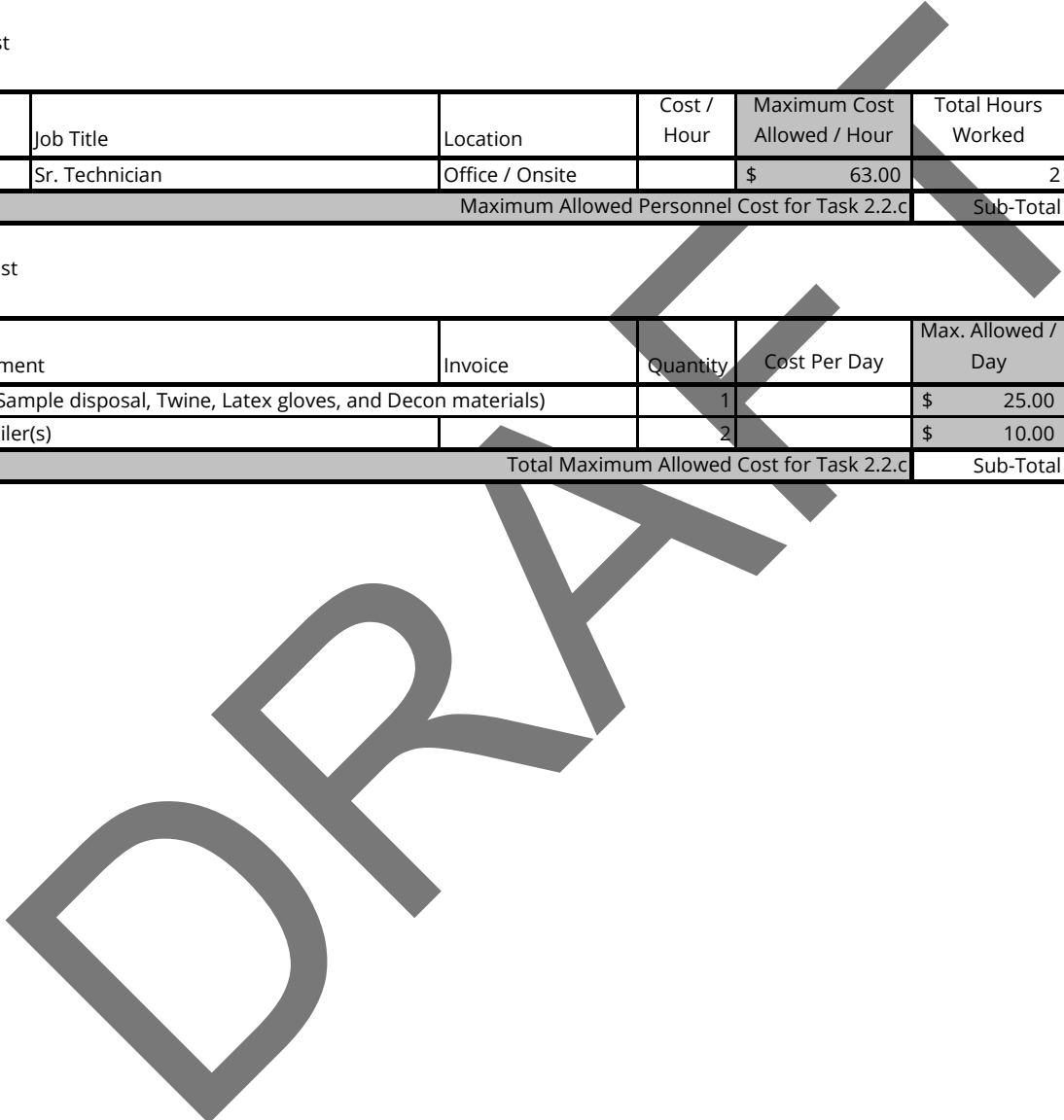
Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 126.00	\$ 126.00
	Equipment		1	\$ 45.00	\$ 45.00
Maximum Allowed Total Cost for Task 2.2.c					\$ 171.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Sr. Technician	Office / Onsite		\$ 63.00	2	\$ 126.00
Maximum Allowed Personnel Cost for Task 2.2.c					Sub-Total	\$ 126.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Disposable bailer(s)		2		\$ 10.00	\$ 20.00
Total Maximum Allowed Cost for Task 2.2.c				Sub-Total	\$ 45.00



Program Task: Removal GW/FP
 (Laboratory Services)

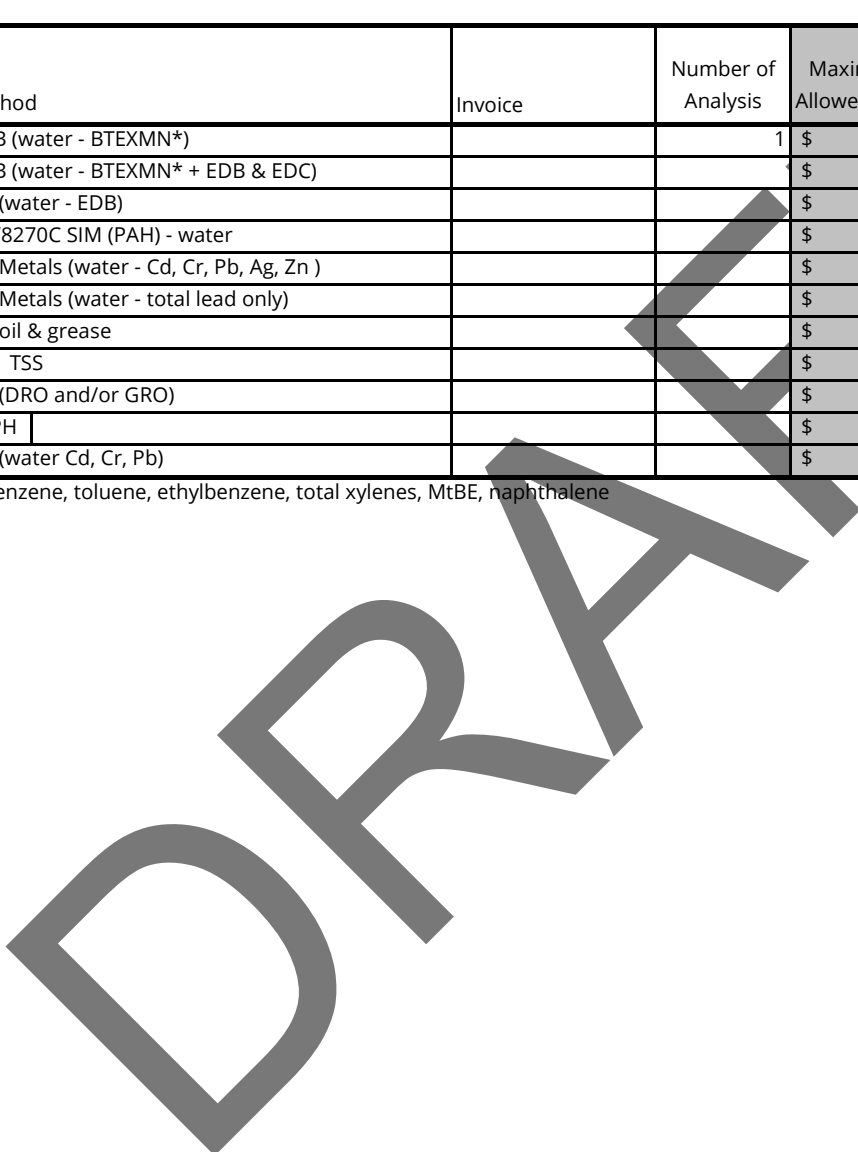
Program Task # Task 2.2.d

Date	Description	Invoice	Number of Samples	Maximum Cost Allowed	Total Cost Allowed
	Analytical Cost (ex.)		1	\$ 96.00	\$ 96.00

Analysis

Analytical Method	Invoice	Number of Analysis	Maximum Cost Allowed / Analysis	Cost per Analysis	Total
Method 8260B (water - BTEXMN*)		1	\$ 96.00		\$ 96.00
Method 8260B (water - BTEXMN* + EDB & EDC)			\$ 146.00		\$ -
Method 8011 (water - EDB)			\$ 86.00		\$ -
Method 8310/8270C SIM (PAH) - water			\$ 150.00		\$ -
Method 6010 Metals (water - Cd, Cr, Pb, Ag, Zn)			\$ 125.00		\$ -
Method 6010 Metals (water - total lead only)			\$ 25.00		\$ -
Method 1664 oil & grease			\$ 58.00		\$ -
Method 160.2 TSS			\$ 21.00		\$ -
Method 8015 (DRO and/or GRO)			\$ 85.00		\$ -
Method TN EPH			\$ 85.00		\$ -
Method 6010 (water Cd, Cr, Pb)			\$ 75.00		\$ -

* BTEXMN - benzene, toluene, ethylbenzene, total xylenes, MtBE, naphthalene



Program Task: Removal GW/FP
(Disposal)

Program Task # Task 2.2.e

Type of material to be disposed	Invoice	Number of Gallons	Maximum Cost		Cost per Gallon	Total
			\$/gallon	Total		
Contaminated groundwater			\$ 0.94	\$ -		
Free Product (FP)			\$ 0.94	\$ -		

DRAFT

Program Task: Removal GW/FP
(POTW Permit)

Program Task # Task 2.2.f

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Eng. / Geo. / Sr. Env. Spec.*	Office		\$ 92.00	2	\$ 184.00
Maximum Allowed Personnel Cost for Task 2.2.f						\$ 184.00

DRAFT

Program Task: Removal GW/FP
 (POTW Sampling) - **Lump Sum**

Program Task # Task 2.2.g

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 63.00	\$ 63.00
	Equipment		1	\$ 25.00	\$ 25.00
(LUMP SUM) Maximum Allowed Total Cost for Task 2.2.c					\$ 88.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Sr. Technician	Office / Onsite		\$ 63.00	1	\$ 63.00
Maximum Allowed Personnel Cost for Task 2.2.c					Sub-Total	\$ 63.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Total Maximum Allowed Cost for Task 2.2.c				Sub-Total	\$ 25.00

DRAFT

Program Task: Removal GW/FP
(POTW Discharge)

Program Task # Task 2.2.h

Date	Description	Invoice	Number of Gals	Maximum Cost Per Gal *	Total Cost Allowed
	Gallons discharged		1		\$ -

* Actual Cost (no markup)

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Program Task: Removal GW/FP
 (Hand Bailing)

Program Task # Task 2.3.a

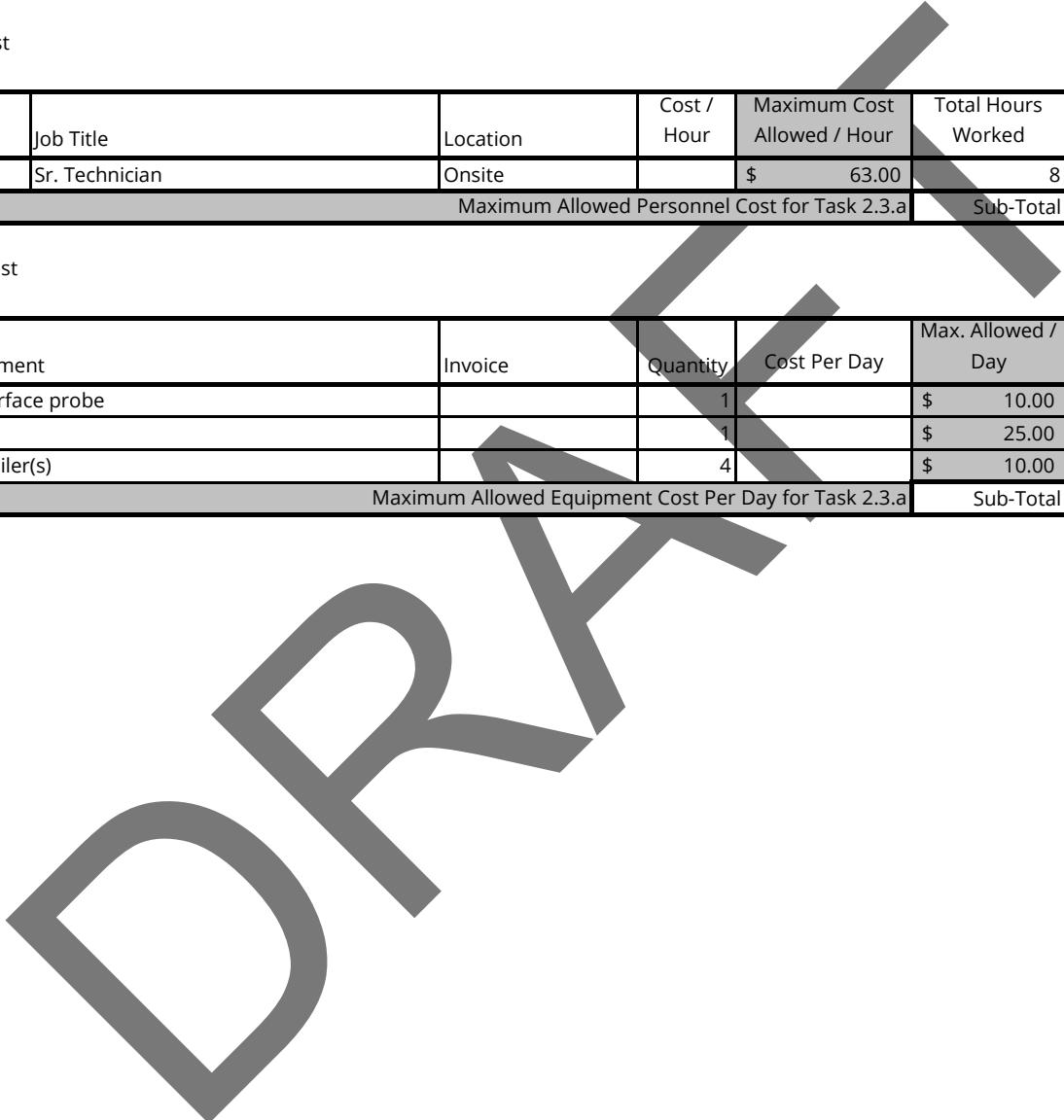
Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 504.00	\$ 504.00
	Equipment		1	\$ 75.00	\$ 75.00
Maximum Allowed Total Cost for Task 2.3.a					\$ 579.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Sr. Technician	Onsite		\$ 63.00	8	\$ 504.00
Maximum Allowed Personnel Cost for Task 2.3.a					Sub-Total	\$ 504.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Oil/water Interface probe		1		\$ 10.00	\$ 10.00
Supplies		1		\$ 25.00	\$ 25.00
Disposable bailer(s)		4		\$ 10.00	\$ 40.00
Maximum Allowed Equipment Cost Per Day for Task 2.3.a				Sub-Total	\$ 75.00



Program Task: Removal GW/FP
(Disposal by Drum)

Program Task # Task 2.3.b

Type of Item	Invoice	Number of Drums	Maximum Cost Allowed / Unit	Cost per Unit	Total
Drum Disposal (includes cost of drum)		1	\$ 200.00		\$ 200.00

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Program Task: MEME
(Project Setup)

Program Task # Task 2.4.a

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Eng. / Geo. / Sr. Env. Spec.	Office		\$ 92.00	2	\$ 184.00
Maximum Allowed Personnel Cost for Task 2.4.a						\$ 184.00

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Program Task: MEME
(Mobilization and Demobilization of MEME Truck)

Program Task # Task 2.4.b

Type of Equipment	Invoice	Number of Miles	Maximum		Mile	Total
			\$/mile	Miles		
Vacuum truck (minimum \$270)			2.70	300.00		\$ 810.00

DRAFT

Program Task: MEME
 (Field Supervision of 8 hr MEME)

Program Task # Task 2.4.c

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	MEME Personnel		1	\$ 974.50	\$ 974.50
	Equipment		1	\$ 80.00	\$ 80.00
Maximum Allowed Total Cost for Task 2.4.c					\$ 1,054.50

Personnel Cost - MEME

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	0.5	\$ 54.50
	Eng. / Geo. / Sr. Env. Spec.*	Onsite		\$ 92.00	10	\$ 920.00
	CAS Specialist*	Onsite		\$ 75.00	0	\$ -
	Sr. Technician**	Onsite		\$ 63.00	0	\$ -
Maximum Allowed Personnel Cost for Task 2.4.c					Sub-Total	\$ 974.50

Only one person onsite from the job titles listed with an "" and required when MEME contractor does not collect vacuum reading and fluid measurements at the wells, equipment listed below are also applicable

**CAC personnel if MEME contractor collects all required readings and measurements

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
PID or FID*		1		\$ 50.00	\$ 50.00
Oil/water interface probe		1		\$ 10.00	\$ 10.00
Velocity meter -air*		1		\$ 10.00	\$ 10.00
Digital or dial vacuum gauge		1		\$ 10.00	\$ 10.00
Maximum Allowed Equipment Cost Per Day for Task 2.4.c				Sub-Total	\$ 80.00

* only if vacuum truck is not equipped with monitoring equipment required for the event

Program Task: MEME
(8-hr MEME) - Lump Sum

Program Task # Task 2.4.d

Maximum cost is equal to the cost of the bid plus 15%, and change orders if applicable, submitted to the Division and approved

The bid shall be all inclusive, with a single lump sum rate for an 8-hr event including but not limited to, driver, truck, MEME specialist if applicable, equipment, MEME fittings, safety equipment, per diem, lodging, etc. by the MEME company.

This task is not for CAC costs and if the RP and/or CAC conducts the MEME the 15% markup is not applicable.

DRAFT

Program Task: MEME
(24-hr MEME) - Lump Sum

Program Task # Task 2.4.e

Maximum cost is equal to the cost of the bid plus 15%, and change orders if applicable, submitted to the Division and approved

The bid shall be all inclusive, with a single lump sum rate for an 24-hr event including but not limited to, driver, truck, MEME specialist if applicable, equipment, MEME fittings, adequate storage capacity, adequate vacuum capacity, safety equipment, sample train supplies, per diem, lodging, etc. by the MEME company.

This task is not for CAC costs unless the RP and/or CAC conducts the MEME, then the 15% markup is not applicable.

DRAFT

Program Task: MEME
(Disposal GW/FP)

Program Task # Task 2.4.f

Type of material to be disposed	Invoice	Number of Gal	Maximum Cost		Cost per Gallon	Total
			\$/Gallon	Total		
Contaminated groundwater			\$ 0.94	\$ -		\$ -
Free product (FP)			\$ 0.94	\$ -		\$ -

DRAFT

Program Task: MEME
 (FP Assessment after 8 hr or 24 MEME)

Program Task # Task 2.4.g

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 238.50	\$ 238.50
	Equipment		1	\$ 75.00	\$ 75.00
Maximum Allowed Total Cost for Task 2.4.g					\$ 313.50

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Day
	Project Manager	Office		\$ 109.00	0.5	\$ 54.50
	Eng. / Geo. / Sr. Env. Spec.*	Office		\$ 92.00	2	\$ 184.00
	CAS Specialist*	Onsite		\$ 75.00	0	\$ -
	Sr. Technician	Onsite		\$ 63.00	0	\$ -
Maximum Allowed Personnel Cost for Task 2.4.g					Sub-Total	\$ 238.50

Only one person onsite from the job titles listed with an "" and required when MEME contractor does not collect vacuum reading and fluid measurements at the wells, equipment listed below are also applicable

**CAC personnel if MEME contractor collects all required readings and measurements

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Oil/water interface probe		1		\$ 10.00	\$ 10.00
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Disposable bailer(s)		4		\$ 10.00	\$ 40.00
Maximum Allowed Equipment Cost Per Day for Task 2.4.g				Sub-Total	\$ 75.00

Should only be proposed in the MEME application if site conditions, number of wells and thickness of free product, warrant more time than that allowed for the 8-hour or 24 hour event

Program Task: Sampling (MEME)
(Laboratory Services)

Program Task # Task 2.4.h

Date	Description	Invoice	Number of Samples	Maximum Cost Allowed	Total Cost Allowed
	Analytical Cost (ex.)		1	\$ 96.00	\$ 96.00

Analysis

Analytical Method	Invoice	Number of Analysis	Maximum Cost Allowed / Analysis	Cost per Analysis	Total
Method 8260B (water - BTEXMN*)		1	\$ 96.00		\$ 96.00

* BTEXMN - benzene, toluene, ethylbenzene, total xylenes, MtBE, naphthalene

DRAFT

Program Task: MEME
 (Field Supervision of 24 hr MEME)

Program Task # Task 2.4.i

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	MEME Personnel		1	\$ 2,024.50	\$ 2,024.50
	Equipment		1	\$ 80.00	\$ 80.00
Maximum Allowed Total Cost for Task 2.4.i					\$ 2,104.50

Personnel Cost - MEME

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	0.5	\$ 54.50
	Eng. / Geo. / Sr. Env. Spec.*	Onsite		\$ 92.00	10	\$ 920.00
	CAS Specialist*	Onsite		\$ 75.00	14	\$ 1,050.00
	Sr. Technician**	Onsite		\$ 63.00	0	\$ -
Maximum Allowed Personnel Cost for Task 2.4.i					Sub-Total	\$ 2,024.50

Only one person onsite from the job titles listed with an "" and required when MEME contractor does not collect vacuum reading and fluid measurements at the wells, equipment listed below are also applicable

**CAC personnel if MEME contractor collects all required readings and measurements

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
PID or FID*		1		\$ 50.00	\$ 50.00
Oil/water interface probe		1		\$ 10.00	\$ 10.00
Velocity meter -air*		1		\$ 10.00	\$ 10.00
Digital or dial vacuum gauge		1		\$ 10.00	\$ 10.00
Maximum Allowed Equipment Cost Per Day for Task 2.4.i				Sub-Total	\$ 80.00

* only if vacuum truck is not equipped with monitoring equipment required for the event

Program Task: FP Recovery - Surface Water
 (Installation of Booms/Pads)

Program Task # Task 2.5.a

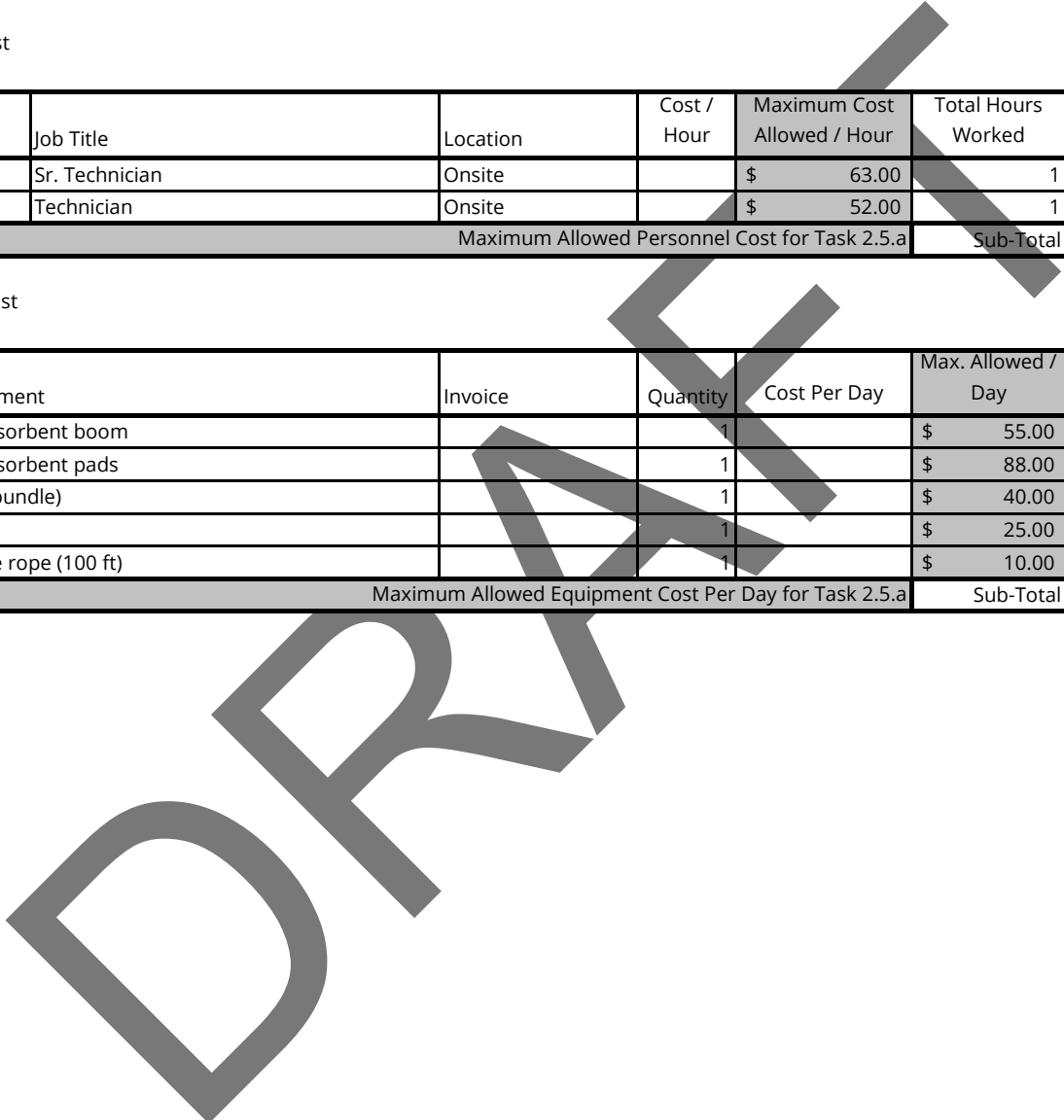
Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 115.00	\$ 115.00
	Equipment		1	\$ 218.00	\$ 218.00
Maximum Allowed Total Cost for Task 2.5.a					\$ 333.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Sr. Technician	Onsite		\$ 63.00	1	\$ 63.00
	Technician	Onsite		\$ 52.00	1	\$ 52.00
Maximum Allowed Personnel Cost for Task 2.5.a					Sub-Total	\$ 115.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Petroleum absorbent boom		1		\$ 55.00	\$ 55.00
Petroleum absorbent pads		1		\$ 88.00	\$ 88.00
Fence posts (bundle)		1		\$ 40.00	\$ 40.00
Supplies		1		\$ 25.00	\$ 25.00
Polypropylene rope (100 ft)		1		\$ 10.00	\$ 10.00
Maximum Allowed Equipment Cost Per Day for Task 2.5.a				Sub-Total	\$ 218.00



Program Task: FP Recovery - Surface Water
 (Boom Inspection and Replacement)

Program Task # Task 2.5.b

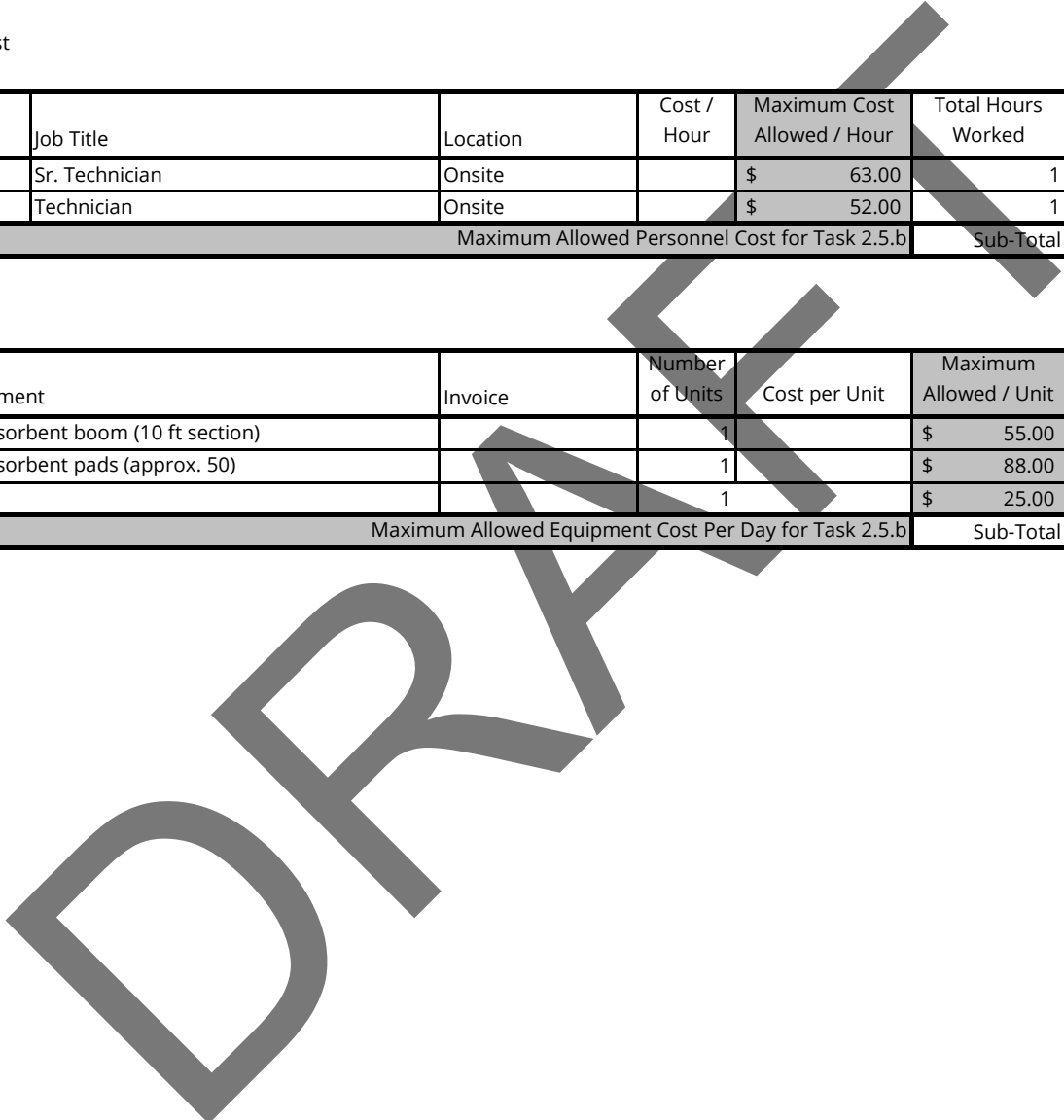
Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 115.00	\$ 115.00
	Equipment		1	\$ 168.00	\$ 168.00
Maximum Allowed Total Cost for Task 2.5.b					\$ 283.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Sr. Technician	Onsite		\$ 63.00	1	\$ 63.00
	Technician	Onsite		\$ 52.00	1	\$ 52.00
Maximum Allowed Personnel Cost for Task 2.5.b					Sub-Total	\$ 115.00

Equipment

Type of Equipment	Invoice	Number of Units	Cost per Unit	Maximum Allowed / Unit	Total
Petroleum absorbent boom (10 ft section)		1		\$ 55.00	\$ 55.00
Petroleum absorbent pads (approx. 50)		1		\$ 88.00	\$ 88.00
Supplies		1		\$ 25.00	\$ 25.00
Maximum Allowed Equipment Cost Per Day for Task 2.5.b				Sub-Total	\$ 168.00



Program Task: FP Recovery - Surface Water
 (Drummed)

Program Task # Task 2.5.c

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 63.00	\$ 63.00
Maximum Allowed Total Cost for Task 2.5.c					\$ 63.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Sr. Technician	Onsite		\$ 63.00	1	\$ 63.00
Maximum Allowed Personnel Cost for Task 2.5.c					Sub-Total	\$ 63.00

DRAFT

Program Task: FP Recovery - Surface Water
(Disposal of Drum)

Program Task # Task 2.5.d

Type of Item	Invoice	Number of Drums	Maximum Cost Allowed / Unit	Cost per Unit	Total
Drum Disposal (includes cost of drum)		1	\$ 200.00		\$ 200.00

DRAFT

Program Task: FP Recovery - Surface Water
(Purchasing Passive Skimmer)

Program Task # Task 2.5.e

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 184.00	\$ 184.00
	Equipment		1	\$ 1,300.00	\$ 1,300.00
Maximum Allowed Total Cost for Task 2.5.e					\$ 1,484.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Eng. / Geo. / Sr. Env. Spec.*	Office		\$ 92.00	2	\$ 184.00
Maximum Allowed Personnel Cost for Task 2.5.e					Sub-Total	\$ 184.00

Equipment

Type of Equipment	Invoice	Number of Units	Cost per Unit	Maximum Allowed / Unit	Total
Passive skimmer		1		\$ 1,300.00	\$ 1,300.00
Maximum Allowed Equipment Cost for Task 2.5.e				Sub-Total	\$ 1,300.00

DRAFT

Program Task: FP Recovery - Surface Water
(Installation of Passive Skimmer)

Program Task # Task 2.5.f

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Sr. Technician	Onsite		\$ 63.00	2	\$ 126.00
Maximum Allowed Personnel Cost for Task 2.5.f						\$ 126.00

DRAFT

Program Task: FP Recovery - Surface Water
(Servicing Passive Skimmer)

Program Task # Task 2.5.g

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Sr. Technician	Onsite		\$ 63.00	2	\$ 126.00
Maximum Allowed Personnel Cost for Task 2.5.g					Sub-Total	\$ 126.00

DRAFT

Program Task: Continuous FP Removal
(Purchasing of Passive Skimmer)

Program Task # Task 2.6.a

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 184.00	\$ 184.00
	Equipment		1	\$ 800.00	\$ 800.00
Maximum Allowed Total Cost for Task 2.6.a					\$ 984.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Eng. / Geo. / Sr. Env. Spec.*	Office		\$ 92.00	2	\$ 184.00
Maximum Allowed Personnel Cost for Task 2.6.a					Sub-Total	\$ 184.00

Equipment

Type of Equipment	Invoice	Number of Units	Cost per Unit	Maximum Allowed / Unit	Total
Passive Skimmer		1		\$ 800.00	\$ 800.00
Maximum Allowed Equipment Cost for Task 2.6.a				Sub-Total	\$ 800.00

DRAFT

Program Task: Continuous FP Removal
(Installation of Passive Skimmer)

Program Task # Task 2.6.b

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Sr. Technician	Onsite		\$ 63.00	2	\$ 126.00
Maximum Allowed Personnel Cost for Task 2.6.b						\$ 126.00

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Program Task: Continuous FP Removal
(Servicing Passive Skimmer)

Program Task # Task 2.6.c

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Sr. Technician	Onsite		\$ 63.00	2	\$ 126.00
Maximum Allowed Personnel Cost for Task 2.6.c						\$ 126.00

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2.7.a Impacted Drinking Water Management - Temporary Response Activities

Maximum cost is \$2,500 without an approved cost proposal. With an approved cost proposal, the maximum cost is equal to the cost of the bid, and change orders if applicable, submitted to the Division and approved in writing.

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2.7.b Impacted Drinking Water Management - Temporary Response Activities

Maximum cost is equal to the cost of the bid, and change orders if applicable, submitted to the Division and approved in writing.

DRAFT

2.8.a Petroleum Vapor Impact Management - Temporary Response Activities

Maximum cost is \$2,500 without an approved cost proposal. With an approved cost proposal, the maximum cost is equal to the cost of the bid (Task 6.6.b), and change orders if applicable, submitted to the Division and approved in writing.

DRAFT

2.8.b Petroleum Vapor Impact Management - Permanent Response Activities

Maximum cost is equal to the cost of the bid (Task 6.6.c), and change orders if applicable, submitted to the Division and approved in writing.

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Program Task: Corrective Action
(Permit/Utility Service)

Program Task # Task 2.8.c

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Eng. / Geo. / Sr. Env. Spec.*	Office		\$ 92.00	2	\$ 184.00
Maximum Allowed Personnel Cost for Task 2.8.c						\$ 184.00

DRAFT

Program Task: Project Management
(Initial Project Setup)

Program Task # Task 3.1.a

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Project Manager	Office		\$ 109.00	2	\$ 218.00
	Eng. / Geo. / Sr. Env. Spec.*	Office		\$ 92.00	4	\$ 368.00
	Secretary	Office		\$ 40.00	3	\$ 120.00
Maximum Allowed Personnel Cost for Task 3.1.a						\$ 706.00

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Program Task: Project Management
(Site Reconnaissance)

Program Task # Task 3.1.b

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Project Manager	Office		\$ 109.00	1	\$ 109.00
	Eng. / Geo. / Sr. Env. Spec.*	Office / Onsite		\$ 92.00	9	\$ 828.00
	Secretary	Office		\$ 40.00	1	\$ 40.00
Maximum Allowed Personnel Cost for Task 3.1.b						\$ 977.00

Only one person onsite from the job titles listed with an ""

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Program Task: Project Management
(Offsite Access / Grant of Access)

Program Task # Task 3.1.c

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Eng. / Geo. / Sr. Env. Spec.*	Office / Onsite		\$ 92.00	4	\$ 368.00
Maximum Allowed Personnel Cost for Task 3.1.c						\$ 368.00

Only one person onsite from the job titles listed with an ""

DRAFT

Program Task: Corrective Action
(Pre-CAP Meeting)

Program Task # Task 3.1.d

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Project Manager	Office		\$ 109.00	1	\$ 109.00
	Eng. / Geo. / Sr. Env. Spec.	Office / Onsite		\$ 92.00	8	\$ 736.00
	Eng. / Geo. / Sr. Env. Spec.	Office / Onsite		\$ 92.00	8	\$ 736.00
Maximum Allowed Personnel Cost for Task 3.1.d						\$ 1,581.00

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Program Task: System Test
(Cost)

Program Task # Task 3.2.a

Equipment

Type of System Test	Invoice	Number of Tests	Maximum Cost		Cost per Test	Total
			/Test	Total		
			\$ -	\$ -		

At cost (no markup)
System tightness testing for system compliance is not reimbursable.

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Program Task: Drilling
(Scheduling Drilling)

Program Task # Task 3.3.a

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
.	Project Manager	Office		\$ 109.00	3	\$ 327.00
Maximum Allowed Personnel Cost for Task 3.3.a						\$ 327.00

DRAFT

Program Task: Drilling
(Mobilization and Demobilization)

Program Task # Task 3.3.b

Equipment

Type of Equipment	Invoice	Number of Miles	Maximum		Mile	Total
			\$/mile	Miles		
Direct push unit (minimum \$270)			2.70	300.00		\$ 810.00
Auger Type Drilling Rig (minimum \$500)			5.00	300.00		\$ 1,500.00
Air Rotary Type Drilling Rig (minimum \$500)			5.00	300.00		\$ 1,500.00

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Program Task: Drilling
 (Supervision of Field Work)

Program Task # Task 3.3.c

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 974.50	\$ 974.50
	Equipment		1	\$ 75.00	\$ 75.00
Maximum Allowed Total Cost for Task 3.3.c					\$ 1,049.50

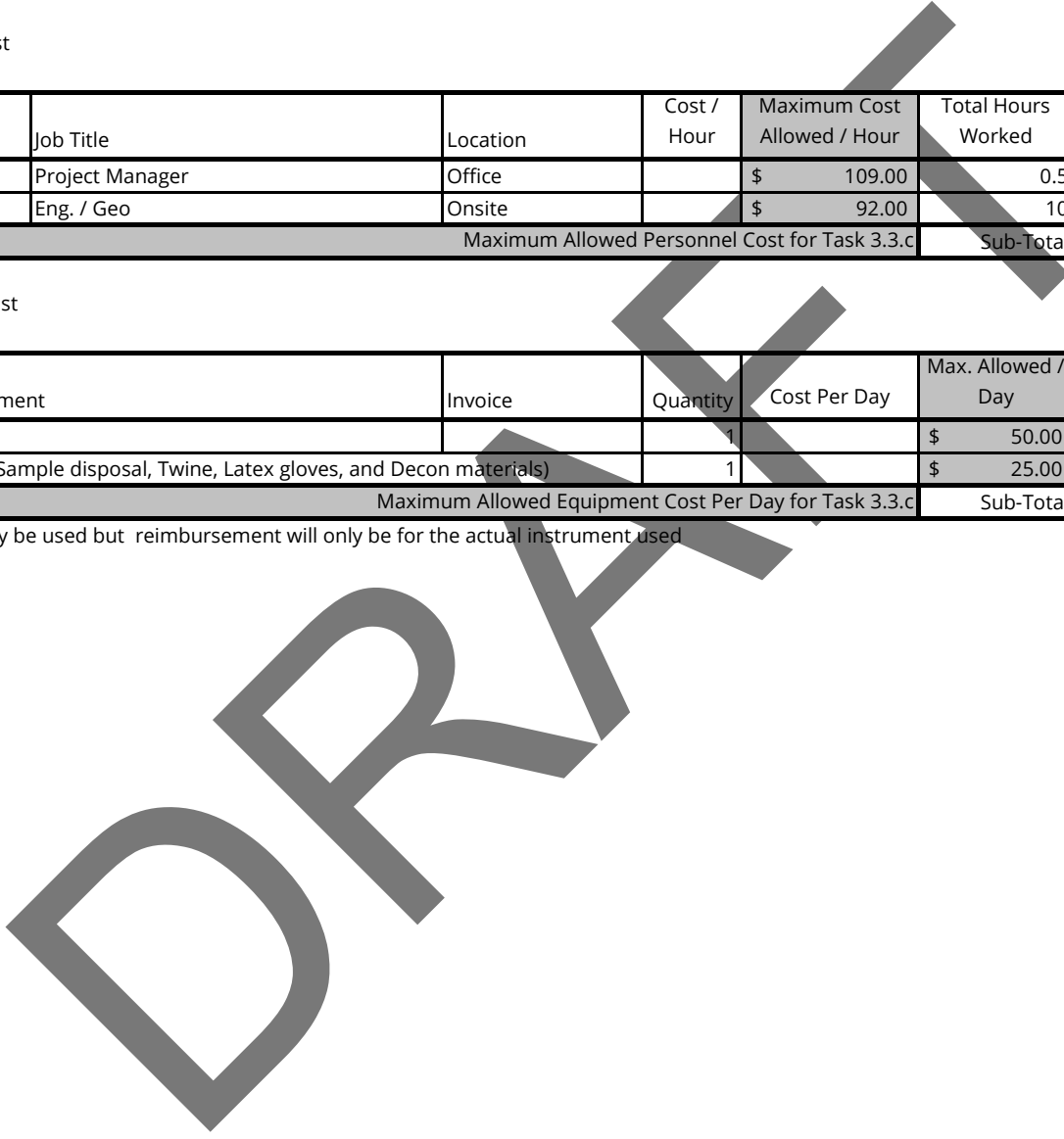
Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Day
	Project Manager	Office		\$ 109.00	0.5	\$ 54.50
	Eng. / Geo	Onsite		\$ 92.00	10	\$ 920.00
Maximum Allowed Personnel Cost for Task 3.3.c					Sub-Total	\$ 974.50

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
PID or FID*		1		\$ 50.00	\$ 50.00
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Maximum Allowed Equipment Cost Per Day for Task 3.3.c				Sub-Total	\$ 75.00

*Either/or may be used but reimbursement will only be for the actual instrument used



Program Task: Drilling
 (Cost)

Program Task # Task 3.3.d

Drilling Cost*

Description	Invoice	Quantity	Unit	Cost Per Unit	Max. Allowed Per	Total Cost Per
Auger drilling 2-inch wells**			per foot**		\$ 42.00	\$ -
Auger drilling 4-inch wells**			per foot**		\$ 52.00	\$ -
Air rotary drilling 2-inch wells**			per foot**		\$ 55.00	\$ -
Air rotary drilling 4-inch wells**			per foot**		\$ 65.00	\$ -
Double cased well - 6-inch wells**			per foot**		\$ 73.00	\$ -
Double cased well - 8-inch wells**			per foot**		\$ 87.00	\$ -
Boring abandonment***			per foot**		\$ 13.00	\$ -
Borings			per foot***		\$ 18.00	\$ -
Split spoon sampling (ASTM-D1586)			split spoon		\$ 24.00	\$ -
Continuous sampling (5 foot sample)			each		\$ 55.00	\$ -
Decontamination of rig and tools****			boring****		\$ 150.00	\$ -
Standby Time Not Due to the Driller*****			day*****		\$ 150.00	\$ -
Third man for drilling (per hour)			hour		\$ 40.00	\$ -
Poly tank*****			day*****		\$ 50.00	\$ -
Utility Trailer			day		\$ 29.00	\$ -
500 gallons of water			day		\$ 25.00	\$ -
Water tight bolt down manhole			well		\$ 78.00	\$ -
Centralizers - stainless steel 2-inch			each		\$ 30.00	\$ -
Centralizers - stainless steel 4-inch			each		\$ 32.00	\$ -
Concrete penetration			hole		\$ 114.00	\$ -
Direct push unit - Full day			day		\$ 1,900.00	\$ -
Direct push unit - Half day			day		\$ 1,425.00	\$ -
Soil sample liners			each		\$ 7.00	\$ -
Soil gas survey sample train using nylon tubing (cost/sample train)			each		\$ 33.00	\$ -
Expendable probe points			each		\$ 13.00	\$ -
Expendable soil gas probe points			each		\$ 25.00	\$ -
Temporary well			per foot		\$ 6.00	\$ -
Bentonite (50 lb bag)			bag		\$ 17.00	\$ -

* - The cost of drilling will be reimbursed at cost plus 15% not to exceed the following rates

** - Price per foot includes drill rig and setup fee, installation, sand, bentonite, cement, flush mount manhole, locks, end plug, casing, screens, and 2 man crew

*** - Includes personnel, equipment and supplies

**** - Includes steam cleaner rental

***** - Maximum 1 hr.

***** - Only 1/day allowed if no water is available at site

Program Task: Drilling
Well Development (4 - 6 wells)

Program Task # Task 3.3.e

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 920.00	\$ 920.00
	Equipment		1	\$ 218.00	\$ 218.00
Maximum Allowed Total Cost for Task 3.3.e					\$ 1,138.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Eng. / Geo. / Sr. Env. Spec.*	Onsite		\$ 92.00	10	\$ 920.00
	Env. Spec*	Onsite		\$ 70.00	0	\$ -
	Sr. Technician	Onsite		\$ 63.00	0	\$ -
Maximum Allowed Personnel Cost for Task 3.3.e					Sub-Total	\$ 920.00

Only one person onsite from the job titles listed with an ""

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Disposable bailer(s)		1		\$ 10.00	\$ 10.00
Generator 5kW		1		\$ 100.00	\$ 100.00
Oil/water interface probe		1		\$ 10.00	\$ 10.00
pH meter		1		\$ 10.00	\$ 10.00
Submersible well development pump (electric)		1		\$ 53.00	\$ 53.00
Supplies (Ice, Sample disposal, Twine, Latex gloves, Tubing, and Decon materials)		1		\$ 25.00	\$ 25.00
Turbidity meter		1		\$ 10.00	\$ 10.00
Maximum Allowed Equipment Cost Per Day for Task 3.3.e				Sub-Total	\$ 218.00

Program Task: Drilling
(Drum Disposal)

Program Task # Task 3.3.f

Type of Item	Invoice	Number of Drums	Maximum Cost Allowed / Unit	Cost per Unit	Total
Drum Disposal (includes cost of drum)		1	\$ 200.00		\$ 200.00

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Program Task: Sampling
 (Groundwater) - **Lump Sum**

Program Task # Task 3.4.a

First Well Sampled

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 243.50	\$ 243.50
	Equipment		1	\$ 55.00	\$ 55.00
(LUMP SUM) Maximum Allowed Total Cost for Task 3.4.a					\$ 298.50

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Project Manager	Office		\$ 109.00	0.5	\$ 54.50
	Sr. Technician	Office / Onsite		\$ 63.00	3	\$ 189.00
Maximum Allowed Personnel Cost for Task 3.4.a					Sub-Total	\$ 243.50

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Oil/water interface probe		1		\$ 10.00	\$ 10.00
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Disposable bailer(s)		2		\$ 10.00	\$ 20.00
Maximum Allowed Equipment Cost Per Day for Task 3.4.a				Sub-Total	\$ 55.00

Each Additional Well Sampled

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 126.00	\$ 126.00
	Equipment		1	\$ 10.00	\$ 10.00
(LUMP SUM) Maximum Allowed Total Cost for Task 3.4.a					\$ 136.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Sr. Technician	Office / Onsite		\$ 63.00	2	\$ 126.00
Maximum Allowed Personnel Cost for Task 3.4.a					Sub-Total	\$ 126.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Disposable bailer(s)		1		\$ 10.00	\$ 10.00
Maximum Allowed Equipment Cost Per Day for Task 3.4.a				Sub-Total	\$ 10.00

Program Task: Sampling
 (Water Supply Well) - **Lump Sum**

Program Task # Task 3.4.b

First Well Sampled

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 126.00	\$ 126.00
	Equipment		1	\$ 25.00	\$ 25.00
(LUMP SUM) Maximum Allowed Total Cost for Task 3.4.b					\$ 151.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Sr. Technician	Office / Onsite		\$ 63.00	2	\$ 126.00
Maximum Allowed Personnel Cost for Task 3.4.b					Sub-Total	\$ 126.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Maximum Allowed Equipment Cost Per Day for Task 3.4.b				Sub-Total	\$ 25.00

Each Additional Well Sampled

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Sr. Technician	Office / Onsite		\$ 63.00	\$ 63.00
(LUMP SUM) Maximum Allowed Personnel Cost for Task 3.4.b					\$ 63.00

Program Task: Sampling
 (Surface Water) - **Lump Sum**

Program Task # Task 3.4.c

First Sampling Point

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 126.00	\$ 126.00
	Equipment		1	\$ 25.00	\$ 25.00
(LUMP SUM) Maximum Allowed Total Cost for Task 3.4.c					\$ 151.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Sr. Technician	Office / Onsite		\$ 63.00	2	\$ 126.00
Maximum Allowed Personnel Cost for Task 3.4.c					Sub-Total	\$ 126.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Maximum Allowed Equipment Cost Per Day for Task 3.4.c				Sub-Total	\$ 25.00

Each Additional Sampling Point

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Sr. Technician	Office / Onsite		\$ 63.00	\$ 63.00
(LUMP SUM) Maximum Allowed Personnel Cost for Task 3.4.c					\$ 63.00

Program Task: Sampling
 (Soil - Not Associated w/Drilling) - **Lump Sum**

Program Task # Task 3.4.d

First Sampling Point

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 180.50	\$ 180.50
	Equipment		1	\$ 75.00	\$ 75.00
(LUMP SUM) Maximum Allowed Total Cost for Task 3.4.d					\$ 255.50

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Project Manager	Office		\$ 109.00	0.5	\$ 54.50
	Sr. Technician	Office / Onsite		\$ 63.00	2	\$ 126.00
Maximum Allowed Personnel Cost for Task 3.4.d					Sub-Total	\$ 180.50

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
PID or FID*		1		\$ 50.00	\$ 50.00
Supplies (Ice, Sample disposal, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Maximum Allowed Equipment Cost Per Day for Task 3.4.d				Sub-Total	\$ 75.00

*Either/or may be used but reimbursement will only be for the actual instrument used

Each Additional Sampling Point

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Sr. Technician	Office / Onsite		\$ 63.00	\$ 63.00
(LUMP SUM) Maximum Allowed Personnel Cost for Task 3.4.d					\$ 63.00

Program Task: Sampling
 (Laboratory Services)

Program Task # Task 3.4.e

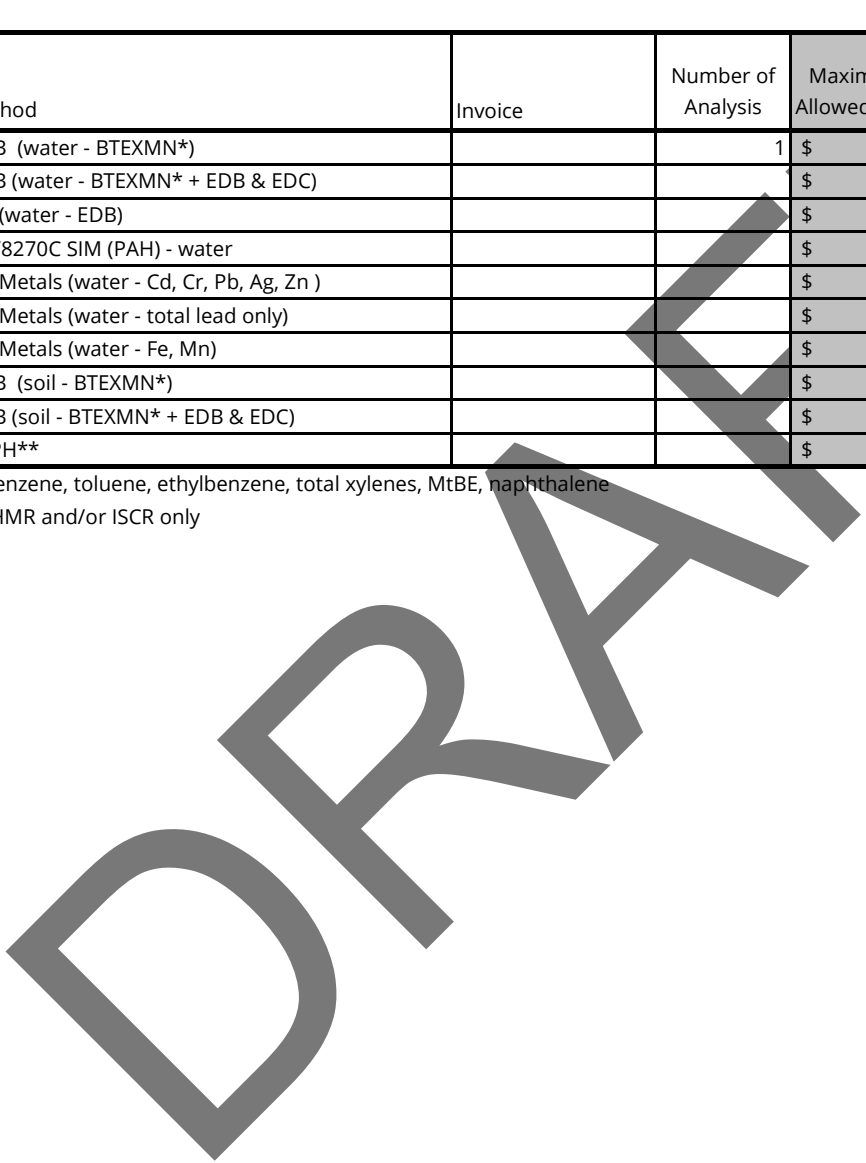
Date	Description	Invoice	Number of Samples	Maximum Cost Allowed	Total Cost Allowed
	Analytical Cost (ex.)		1	\$ 96.00	\$ 96.00

Analysis

Analytical Method	Invoice	Number of Analysis	Maximum Cost Allowed / Analysis	Cost per Analysis	Total
Method 8260B (water - BTEXMN*)		1	\$ 96.00		\$ 96.00
Method 8260B (water - BTEXMN* + EDB & EDC)			\$ 146.00		\$ -
Method 8011 (water - EDB)			\$ 86.00		\$ -
Method 8310/8270C SIM (PAH) - water			\$ 150.00		\$ -
Method 6010 Metals (water - Cd, Cr, Pb, Ag, Zn)			\$ 125.00		\$ -
Method 6010 Metals (water - total lead only)			\$ 25.00		\$ -
Method 6010 Metals (water - Fe, Mn)			\$ 50.00		\$ -
Method 8260B (soil - BTEXMN*)			\$ 86.00		\$ -
Method 8260B (soil - BTEXMN* + EDB & EDC)			\$ 136.00		\$ -
Method TN EPH**			\$ 85.00		\$ -

* BTEXMN - benzene, toluene, ethylbenzene, total xylenes, MtBE, naphthalene

** Prior to IRHMR and/or ISCR only



Program Task: Sampling
(Drum Disposal)

Program Task # Task 3.4.f

Type of Activity	Invoice	Number of Drums	Maximum Cost Allowed / Unit	Cost	Total
Disposal of Drums (includes cost of drum)		1	\$ 200.00		\$ 200.00

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Program Task: Sampling
 (30-day Static groundwater Levels)

Program Task # Task 3.4.g

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 189.00	\$ 189.00
	Equipment		1	\$ 10.00	\$ 10.00
Maximum Allowed Total Cost for Task 3.4.g					\$ 199.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Sr. Technician	Onsite		\$ 63.00	3	\$ 189.00
Maximum Allowed Personnel Cost for Task 3.4.g					Sub-Total	\$ 189.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Oil/water interface probe		1		\$ 10.00	\$ 10.00
Maximum Allowed Equipment Cost Per Day for Task 3.4.g				Sub-Total	\$ 10.00

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Program Task: Receptor and Water Use Survey
(Receptor Survey)

Program Task # Task 3.5.a

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Eng. / Geo. / Sr. Env. Spec.*	Office / Onsite		\$ 92.00	3	\$ 276.00
	Secretary	Office		\$ 40.00	3	\$ 120.00
Maximum Allowed Personnel Cost for Task 3.5.a						\$ 396.00

DRAFT

Program Task: Receptor and Water Use Survey
(Water Use and Karst Survey)

Program Task # Task 3.5.b

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Eng. / Geo. / Sr. Env. Spec.*	Office / Onsite		\$ 92.00	10	\$ 920.00
	Secretary	Office		\$ 40.00	3	\$ 120.00
Maximum Allowed Personnel Cost for Task 3.5.b						\$ 1,040.00

DRAFT

Program Task: Site Survey
 (Survey by Professional Surveyor) - **Lump Sum**

Program Task # Task 3.6.a

Initial Four (4) Wells

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 857.00	\$ 857.00
	Equipment			\$ 150.00	\$ 150.00
(LUMP SUM) Maximum Allowed Total Cost for Task 3.6.a					\$ 1,007.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Project Manager	Office		\$ 109.00	1	\$ 109.00
	Surveyor	Onsite		\$ 75.00	6	\$ 450.00
	General Laborer	Onsite		\$ 40.00	6	\$ 240.00
	CAD Operator	Office		\$ 58.00	1	\$ 58.00
Maximum Allowed Personnel Cost for Task 3.6.a					Sub-Total	\$ 857.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Survey station and equipment		1		\$ 150.00	\$ 150.00
Maximum Allowed Equipment Cost Per Day for Task 3.6.a				Sub-Total	\$ 150.00

Each Additional Well

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Surveyor	Onsite		\$ 75.00	\$ 75.00
	General Laborer	Onsite		\$ 40.00	\$ 40.00
	CAD Operator	Office		\$ 58.00	\$ 58.00
(LUMP SUM) Maximum Allowed Personnel Cost for Task 3.6.a					\$ 173.00

Program Task: Vapor Monitoring

Program Task # Task 3.7.a

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 126.00	\$ 126.00
	Equipment			\$ 50.00	\$ 50.00
Maximum Allowed Total Cost for Task 3.7.a					\$ 176.00

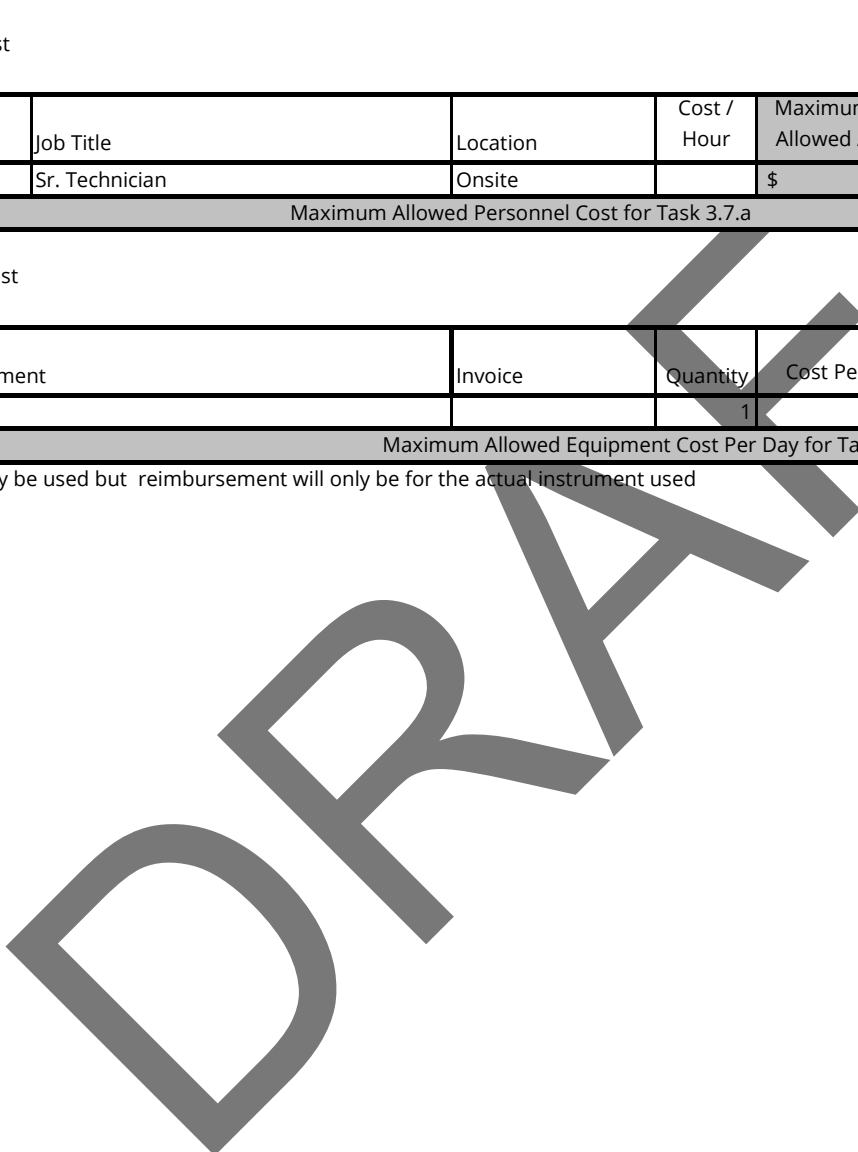
Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Sr. Technician	Onsite		\$ 63.00	2	\$ 126.00
Maximum Allowed Personnel Cost for Task 3.7.a					Sub-Total	\$ 126.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
PID or FID*		1		\$ 50.00	\$ 50.00
Maximum Allowed Equipment Cost Per Day for Task 3.7.a				Sub-Total	\$ 50.00

*Either/or may be used but reimbursement will only be for the actual instrument used



Program Task: Soil Gas Survey
(Scheduling with Direct Push Technology)

Program Task # Task 3.8.a.1

Personnel Cost

Name	Job Title	Invoice	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Project Manager	Office		\$ 109.00	3	\$ 327.00
Maximum Allowed Personnel Cost for Task 3.8.a.1						\$ 327.00

DRAFT

Program Task: Soil Gas Survey
(Mobilization and Demobilization)

Program Task # Task 3.8.a.2

Type of Equipment	Invoice	Number of Miles	Maximum		Mile	Total
			\$/mile	Miles		
Direct push unit (minimum \$270)			2.70	300.00		\$ 810.00

DRAFT

Program Task: Soil Gas Survey
 (Supervision of Field Work - ≤4 sample pts)

Program Task # Task 3.8.a.3

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 644.00	\$ 644.00
	Equipment		1	\$ 1,057.00	\$ 1,057.00
Maximum Allowed Total Cost for Task 3.8.a.3					\$ 1,701.00

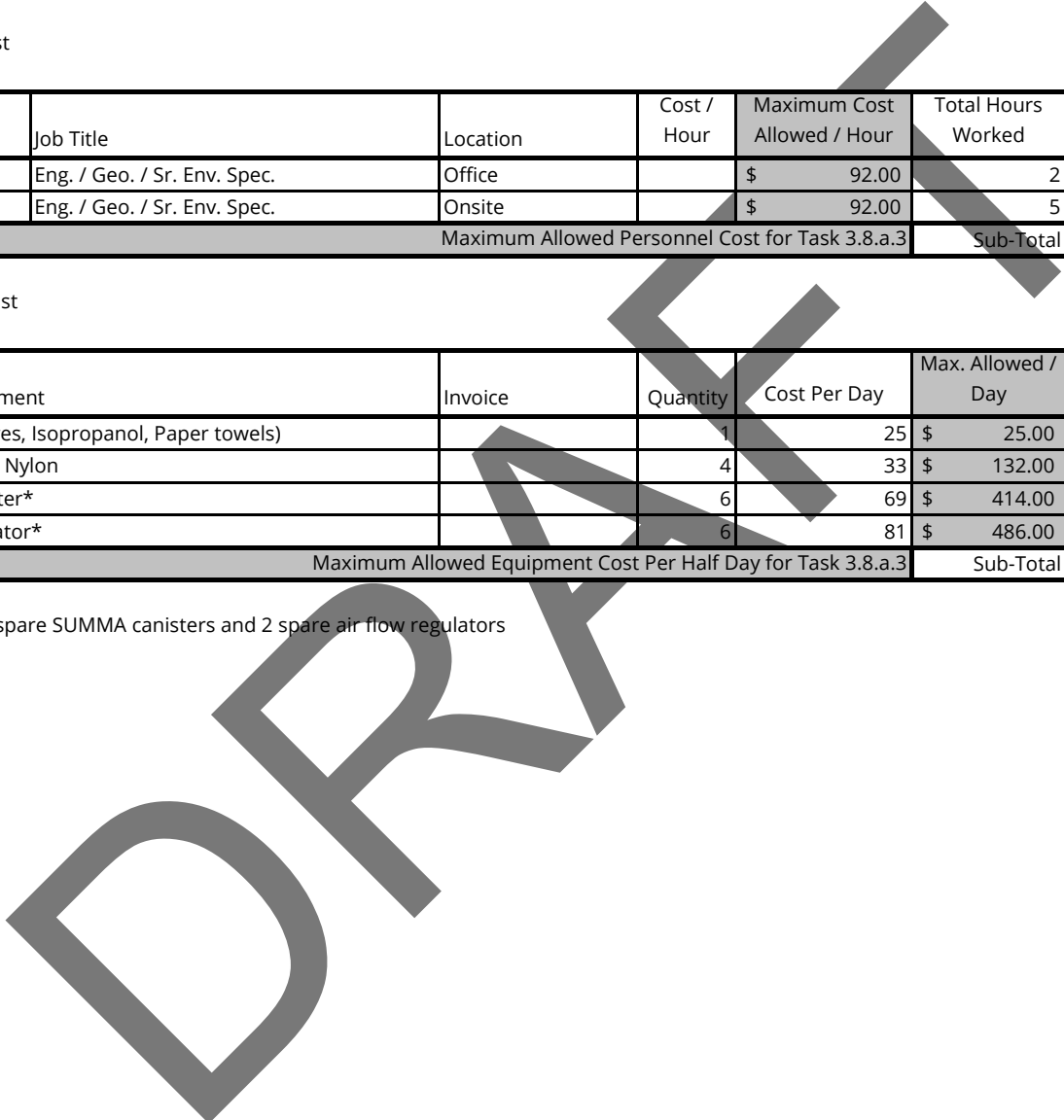
Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Eng. / Geo. / Sr. Env. Spec.	Office		\$ 92.00	2	\$ 184.00
	Eng. / Geo. / Sr. Env. Spec.	Onsite		\$ 92.00	5	\$ 460.00
Maximum Allowed Personnel Cost for Task 3.8.a.3					Sub-Total	\$ 644.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Supplies (Gloves, Isopropanol, Paper towels)		1	25	\$ 25.00	\$ 25.00
Sample train - Nylon		4	33	\$ 132.00	\$ 132.00
SUMMA canister*		6	69	\$ 414.00	\$ 414.00
Air flow regulator*		6	81	\$ 486.00	\$ 486.00
Maximum Allowed Equipment Cost Per Half Day for Task 3.8.a.3				Sub-Total	\$ 1,057.00

*Allows for 2 spare SUMMA canisters and 2 spare air flow regulators



Program Task: Soil Gas Survey
 (Supervision of Field Work - ≥5 sample points)

Program Task # Task 3.8.a.4

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 1,196.00	\$ 1,196.00
	Equipment		1	\$ 1,789.00	\$ 1,789.00
Maximum Allowed Total Cost for Task 3.8.a.4					\$ 2,985.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Eng. / Geo. / Sr. Env. Spec.	Office		\$ 92.00	3	\$ 276.00
	Eng. / Geo. / Sr. Env. Spec.	Onsite		\$ 92.00	10	\$ 920.00
Maximum Allowed Personnel Cost for Task 3.8.a.4					Sub-Total	\$ 1,196.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day	
Supplies (Gloves, Isopropanol, Paper towels)		1	25	\$ 25.00	\$ 25.00	
Sample Train - Nylon		8	33	\$ 264.00	\$ 264.00	
SUMMA Canister*		10	69	\$ 690.00	\$ 690.00	
Air flow regulator*		10	81	\$ 810.00	\$ 810.00	
Maximum Allowed Equipment Cost Per Full Day for Task 3.8.a.4					Sub-Total	\$ 1,789.00

*Allows for 2 spare SUMMA canisters and 2 spare air flow regulators

DRAFT

Program Task: Soil Gas Survey
(Cost for Drilling w/Direct Push)

Program Task # Task 3.8.a.5

Drilling Cost*

Description	Invoice	Quantity	Unit	Cost Per Unit	Max. Allowed Per Unit	Total Cost Allowed
Direct push unit - half day rental		1	day		\$ 1,425.00	\$ 1,425.00
Expendable Soil Gas probe points		4	each		\$ 25.00	\$ 100.00
Bentonite (50 lb bag)		1	bag		\$ 17.00	\$ 17.00
Maximum Allowed Equipment Cost Per Day for Task 3.8.a.5					\$ 1,542.00	\$ 1,542.00

* - The cost of drilling will be reimbursed at cost plus 15% not to exceed the following rates

DRAFT

Program Task: Soil Gas Survey
(Cost for Drilling w/Direct Push)

Program Task # Task 3.8.a.6

Drilling Cost*

Description	Invoice	Quantity	Unit	Cost Per Unit	Max. Allowed Per Unit	Total Cost Allowed
Direct push unit - full day rental		1	day	\$ 1,900.00	\$ 1,900.00	\$ 1,900.00
Expendable Soil Gas probe points		8	each	\$ 25.00	\$ 200.00	\$ 200.00
Bentonite (50 lb bag)		1	bag	\$ 17.00	\$ 17.00	\$ 17.00
Maximum Allowed Equipment Cost Per Day for Task 3.8.a.6						\$ 2,117.00

* - The cost of drilling will be reimbursed at cost plus 15% not to exceed the following rates

DRAFT

Program Task: Soil Gas Survey
(Laboratory Services)

Program Task # Task 3.8.a.7

Analysis

Analytical Method	Invoice	Number of Analysis	Maximum Cost Allowed / Analysis	Cost per Analysis	Total Cost Allowed
Method ASTM 1945/1946/ D5314 or EPA Method 3C (O2 and CO2)		1	\$110.00		\$ 110.00
Method TO15 BTEX, MtBE, Naphthalene, Isopropyl Alcohol		1	\$295.00		\$ 295.00

DRAFT

Program Task: Soil Gas Survey
(Scheduling with Hammer Drill)

Program Task # Task 3.8.b.1

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	3	\$ 327.00
Maximum Allowed Personnel Cost for Task 3.8.b.1						\$ 327.00

DRAFT

Program Task: Soil Gas Survey
 (Field Work w/Hammer Drill or Slide Hammer - ≤4 sample pts)

Program Task # Task 3.8.b.2

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 896.00	\$ 896.00
	Equipment		1	\$ 1,551.00	\$ 1,551.00
Maximum Allowed Total Cost for Task 3.8.b.2					\$ 2,447.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Eng. / Geo. / Sr. Env. Spec.	Onsite		\$ 92.00	4	\$ 368.00
	Sr. Technician	Office		\$ 92.00	3	\$ 276.00
	Sr. Technician	Onsite		\$ 63.00	4	\$ 252.00
Maximum Allowed Personnel Cost for Task 3.8.b.2					Sub-Total	\$ 896.00

*3 hours allowed for time to gather sample train supplies, assemble sample trains, and vacuum test prior to using in the field

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day	
Supplies (Gloves, Isopropanol, Paper towels)		1	\$ 25.00	\$ 25.00	\$ 25.00	
Sample train		4	\$ 33.00	\$ 132.00	\$ 132.00	
Slide hammer kit		1	\$ 153.00	\$ 153.00	\$ 153.00	
Hammer drill kit		1	\$ 224.00	\$ 224.00	\$ 224.00	
Expendable Soil Gas probe points		4	\$ 25.00	\$ 100.00	\$ 100.00	
SUMMA Canister***		6	\$ 69.00	\$ 414.00	\$ 414.00	
Air flow regulator***		6	\$ 81.00	\$ 486.00	\$ 486.00	
Bentonite (50 lb bag)		1	\$ 17.00	\$ 17.00	\$ 17.00	
Maximum Allowed Equipment Cost Per Half Day for Task 3.8.b.2					Sub-Total	\$ 1,551.00

***Allows for 2 spare SUMMA canisters and 2 spare air flow regulators

Program Task: Soil Gas Survey
 (Field Work w/Hammer Drill or Slide Hammer - >5 sample points)

Program Task # Task 3.8.b.3

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 1,700.00	\$ 1,700.00
	Equipment		1	\$ 2,383.00	\$ 2,383.00
Maximum Allowed Total Cost for Task 3.8.b.3					\$ 4,083.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Eng. / Geo. / Sr. Env. Spec.	Onsite		\$ 92.00	8	\$ 736.00
	Sr. Technician*	Office		\$ 92.00	5	\$ 460.00
	Sr. Technician*	Onsite		\$ 63.00	8	\$ 504.00
Maximum Allowed Personnel Cost for Task 3.8.b.3					Sub-Total	\$ 1,700.00

*5 hours allowed for time to gather sample train supplies, assemble sample trains, and vacuum test prior to using in the field

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day	
Supplies (Gloves, Isopropanol, Paper towels)		1	\$ 25.00	\$ 25.00	\$ 25.00	
Sample train		8	\$ 33.00	\$ 264.00	\$ 264.00	
Slide hammer kit		1	\$ 153.00	\$ 153.00	\$ 153.00	
Hammer drill kit		1	\$ 224.00	\$ 224.00	\$ 224.00	
Expendable soil probe points		8	\$ 25.00	\$ 200.00	\$ 200.00	
SUMMA Canister***		10	\$ 69.00	\$ 690.00	\$ 690.00	
Air flow regulator***		10	\$ 81.00	\$ 810.00	\$ 810.00	
Bentonite (50 lb bag)		1	\$ 17.00	\$ 17.00	\$ 17.00	
Maximum Allowed Equipment Cost Per Full Day for Task 3.8.b.3					Sub-Total	\$ 2,383.00

***Allows for 2 spare SUMMA canisters and 2 spare air flow regulators

Program Task: Soil Gas Survey
(Laboratory Services)

Program Task # Task 3.8.b.4

Analysis

Analytical Method	Invoice	Number of Analysis	Maximum Cost Allowed / Analysis	Cost per Analysis	Total Cost Allowed
Method ASTM 1945/1946/ D5314 or EPA Method 3C (O2 and CO2)		1	\$ 110.00		\$ 110.00
Method TO15 BTEX, MtBE, Naphthalene, Isopropyl Alcohol		1	\$ 295.00		\$ 295.00

DRAFT

Program Task: Advanced Site Characterization Technologies
(Scheduling)

Program Task # Task 3.9.a.1

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	3	\$ 327.00
Maximum Allowed Personnel Cost for Task 3.9.a.1					Sub-total	\$ 327.00

The 3.9.a series must be required and/or approved by the Division project manager in advance

DRAFT

Program Task: Advanced Site Characterization Technologies
(Private Utility Location)

Program Task # Task 3.9.a.2

Maximum cost is equal to the cost of the approved bid*, and change orders if applicable plus 15% markup, submitted to the Division and approved in writing.

Three (3) bids are required and the lowest bid is to be chosen unless approved by the Division in writing.

Only one private utility location marking is allowed per release case unless approved by the Division in writing.

The 3.9.a series must be required and/or approved by the Division project manager in advance

DRAFT

Program Task: Advanced Site Characterization Technologies
(Drilling Mobilization and Demobilization)

Program Task # Task 3.9.a.3

Equipment

Type of Equipment	Invoice	Number of Miles	Maximum		Mile	Total
			\$/mile	Miles		
Direct push unit (minimum \$270)			2.70	300.00		\$ 810.00
Auger Type Drilling Rig (minimum \$500)			5.00	300.00		\$ 1,500.00
Air Rotary Type Drilling Rig (minimum \$500)			5.00	300.00		\$ 1,500.00

The 3.9.a series must be required and/or approved by the Division project manager in advance

This task only applies if the Advanced Site Characterization Technologies sub-contractor is not supplying the drill rig.

DRAFT

Program Task: Advanced Site Characterization Technologies
(Drilling Cost)

Program Task # Task 3.9.a.4

Maximum cost is equal to the cost of the bid, and change orders if applicable, submitted to the Division and approved in writing. No markup will be reimbursed for this task.

The 3.9.a series must be required and/or approved by the Division project manager in advance

DRAFT

Program Task: Advanced Site Characterization Technologies
(Mobilization and Demobilization)

Program Task #

Task 3.9.a.5

Maximum cost is equal to the cost of the bid, and change orders if applicable, submitted to the Division and approved in writing. No markup will be reimbursed for this task.

The 3.9.a series must be required and/or approved by the Division project manager in advance

DRAFT

Program Task: Advanced Site Characterization Technologies
(conduct Advanced Site Characterization Technologies)

Program Task # Task 3.9.a.6

Maximum cost is equal to the cost of the bid, and change orders if applicable, plus a 5% markup, submitted to the Division and approved in writing.

The 3.9.a series must be required and/or approved by the Division project manager in advance

DRAFT

Program Task: Advanced Site Characterization Technologies
 (Supervision of Field Work)

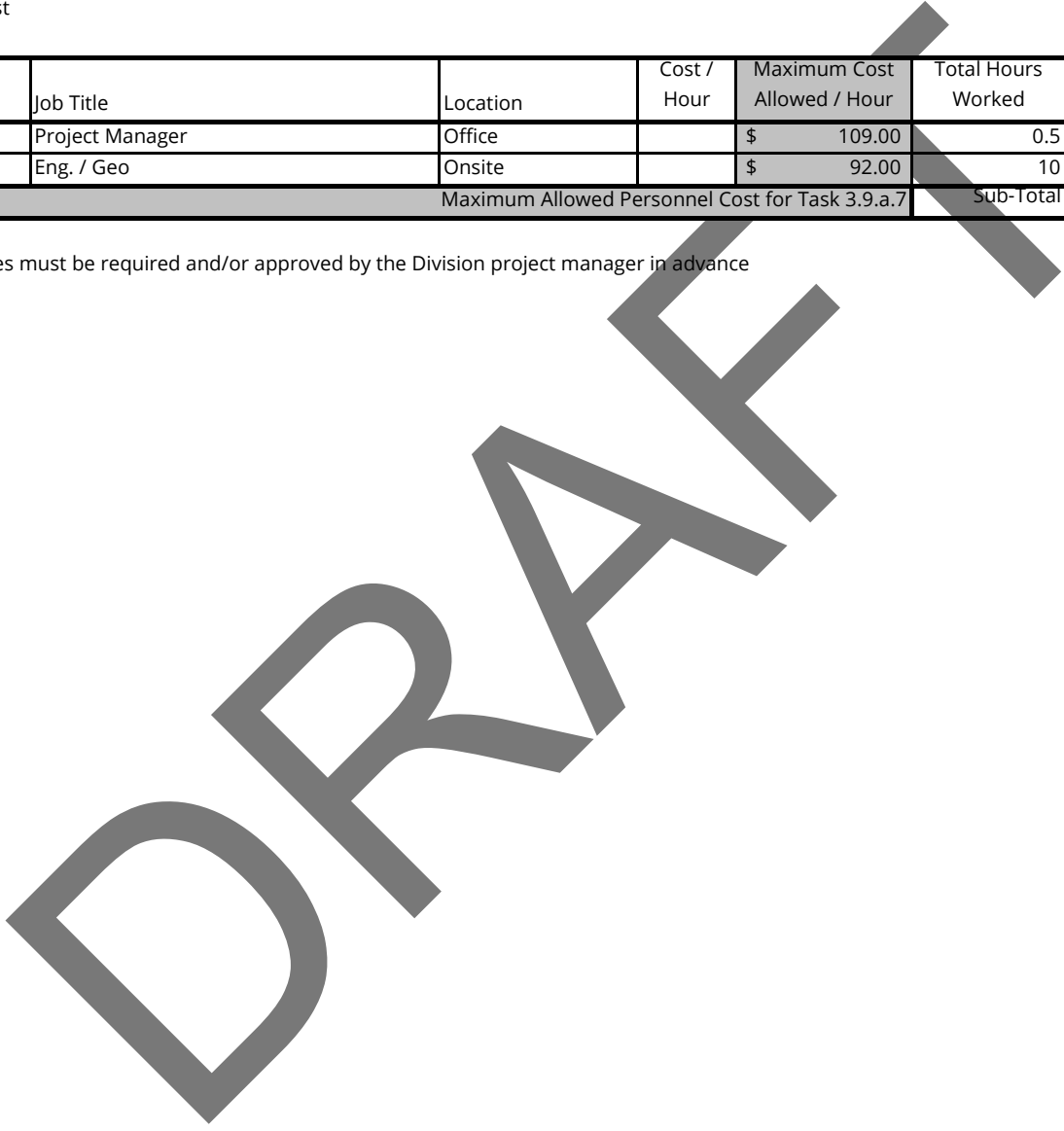
Program Task # Task 3.9.a.7

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 974.50	\$ 974.50
Maximum Allowed Total Cost for Task 3.9.a.7					\$ 974.50

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	0.5	\$ 54.50
	Eng. / Geo	Onsite		\$ 92.00	10	\$ 920.00
Maximum Allowed Personnel Cost for Task 3.9.a.7					Sub-Total	\$ 974.50

The 3.9.a series must be required and/or approved by the Division project manager in advance



Program Task: Advanced Site Characterization Technologies
 (Drilling/sampling - Supervision)

Program Task # Task 3.9.a.8

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 974.50	\$ 974.50
	Equipment		1	\$ 75.00	\$ 75.00
Maximum Allowed Total Cost for Task 3.9.a.8					\$ 1,049.50

Personnel Cost

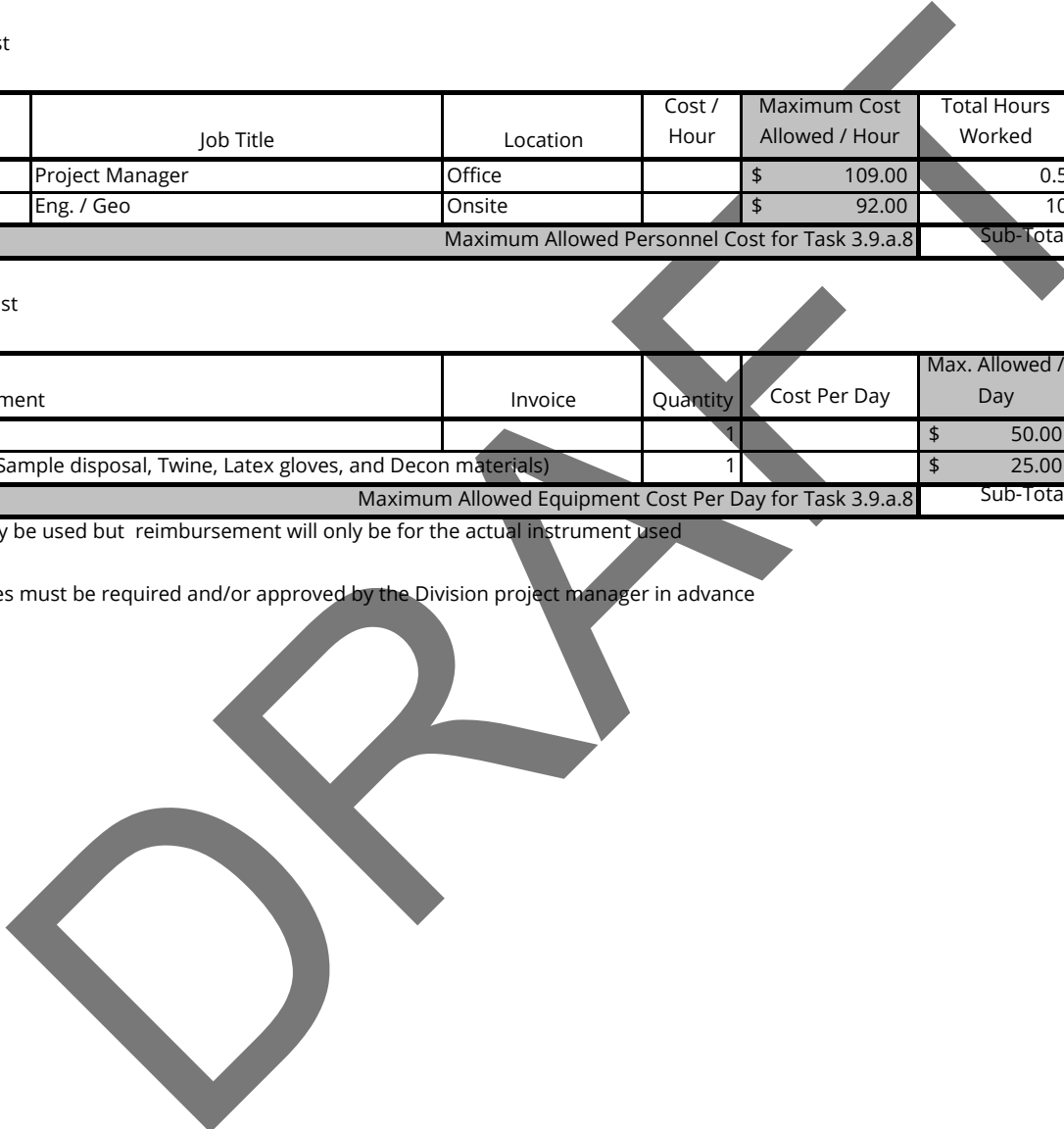
Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	0.5	\$ 54.50
	Eng. / Geo	Onsite		\$ 92.00	10	\$ 920.00
Maximum Allowed Personnel Cost for Task 3.9.a.8					Sub-Total	\$ 974.50

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
PID or FID*		1		\$ 50.00	\$ 50.00
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Maximum Allowed Equipment Cost Per Day for Task 3.9.a.8				Sub-Total	\$ 75.00

*Either/or may be used but reimbursement will only be for the actual instrument used

The 3.9.a series must be required and/or approved by the Division project manager in advance



Program Task: Advanced Site Characterization Technologies
Well Development (up to 6 wells)

Program Task # Task 3.9.a.9

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 920.00	\$ 920.00
	Equipment		1	\$ 218.00	\$ 218.00
Maximum Allowed Total Cost for Task 3.3.e					\$ 1,138.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Eng. / Geo. / Sr. Env. Spec.*	Onsite		\$ 92.00	10	\$ 920.00
	Env. Spec*	Onsite		\$ 70.00	0	\$ -
	Sr. Technician	Onsite		\$ 63.00	0	\$ -
Maximum Allowed Total Cost for Task 3.9.a.9					Sub-Total	\$ 920.00

*Only one person onsite from the job titles listed with an "**"

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Disposable bailer(s)		1		\$ 10.00	\$ 10.00
Generator 5kW		1		\$ 100.00	\$ 100.00
Oil/water interface probe		1		\$ 10.00	\$ 10.00
pH meter		1		\$ 10.00	\$ 10.00
Submersible well development pump (electric)		1		\$ 53.00	\$ 53.00
Supplies (Ice, Sample disposal, Twine, Latex gloves, Tubing, and Decon materials)		1		\$ 25.00	\$ 25.00
Turbidity meter		1		\$ 10.00	\$ 10.00
Maximum Allowed Equipment Cost Per Day for Task 3.9.a.9				Sub-Total	\$ 218.00

**Drum for disposal of well development and purging

The 3.9.a series must be required and/or approved by the Division project manager in advance

Program Task: Advanced Site Characterization Technologies
 (Groundwater Sampling) - **Lump Sum**

Program Task # Task 3.9.a.10

First Well Sampled

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 243.50	\$ 243.50
	Equipment		1	\$ 55.00	\$ 55.00
(LUMP SUM) Maximum Allowed Total Cost for Task 3.9.a.10					\$ 298.50

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Project Manager	Office		\$ 109.00	0.5	\$ 54.50
	Sr. Technician	Office / Onsite		\$ 63.00	3	\$ 189.00
Maximum Allowed Personnel Cost for Task 3.9.a.10					Sub-Total	\$ 243.50

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Oil/water interface probe		1		\$ 10.00	\$ 10.00
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Disposable bailer(s)		2		\$ 10.00	\$ 20.00
Maximum Allowed Equipment Cost Per Day for Task 3.9.a.10				Sub-Total	\$ 55.00

Each Additional Well Sampled

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 126.00	\$ 126.00
	Equipment		1	\$ 10.00	\$ 10.00
(LUMP SUM) Maximum Allowed Total Cost for Task 3.9.a.10					\$ 136.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Sr. Technician	Office / Onsite		\$ 63.00	2	\$ 126.00
Maximum Allowed Personnel Cost for Task 3.9.a.10					Sub-Total	\$ 126.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Disposable bailer(s)		1		\$ 10.00	\$ 10.00
Maximum Allowed Equipment Cost Per Day for Task 3.9.a.10				Sub-Total	\$ 10.00

The 3.9.a series must be required and/or approved by the Division project manager in advance

Program Task: Advanced Site Characterization Technologies
 (Laboratory Services)

Program Task # 3.9.a.11

Date	Description	Invoice	Number of Samples	Maximum Cost Allowed	Total Cost Allowed
	Analytical Cost (ex.)		1	\$ 96.00	\$ 96.00

Analysis

Analytical Method	Invoice	Number of Analysis	Maximum Cost Allowed / Analysis	Cost per Analysis	Total
Method 8260B (water - BTEXMN*)		1	\$ 96.00		\$ 96.00
Method 8260B (water - BTEXMN* + EDB & EDC)			\$ 146.00		\$ -
Method 8011 (water - EDB)			\$ 86.00		\$ -
Method 8310/8270C SIM (PAH) - water			\$ 150.00		\$ -
Method 6010 Metals (water - Cd, Cr, Pb, Ag, Zn)			\$ 125.00		\$ -
Method 6010 Metals (water - total lead only)			\$ 25.00		\$ -
Method 6010 Metals (water - Fe, Mn)			\$ 50.00		\$ -
Method 8260B (soil - BTEXMN*)			\$ 86.00		\$ -
Method 8260B (soil - BTEXMN* + EDB & EDC)			\$ 136.00		\$ -
Method TN EPH**			\$ 85.00		\$ -

* BTEXMN - benzene, toluene, ethylbenzene, total xylenes, MtBE, naphthalene

The 3.9.a series must be required and/or approved by the Division project manager in advance

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Program Task: Advanced Site Characterization Technologies
(Drum Disposal)

Program Task # Task 3.9.a.12

Activity

Type of Activity	Invoice	Number of Drums	Maximum Allowed / Unit	Cost	Total
Disposal of Drums (includes cost of drum)		1	\$ 200.00	\$ 200.00	\$ 200.00
Maximum Allowed Total Cost for Task 3.9.a.12					\$ 200.00

The 3.9.a series must be required and/or approved by the Division project manager in advance

DRAFT

4.1.a Risk Reduction

Maximum cost is equal to the cost of the bid, plus 5% markup and change orders if applicable, submitted to the Division and approved in writing.

DRAFT

4.1.b Disconnection of Private Water Supply Well

Maximum cost is equal to the cost of the bid, 15% markup, and change orders if applicable, submitted to the Division and approved in writing.

DRAFT

Program Task: Well Abandonment - Private Water Supply Well
(Supervision of Abandonment)

Program Task # Task 4.1.c

Personnel

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Eng. / Geo. / Sr. Env. Spec.	Office		\$ 92.00	2	\$ 184.00
	Sr. Technician	Onsite		\$ 63.00	8	\$ 504.00
Maximum Allowed Personnel Cost for Task 4.1.c						\$ 688.00

DRAFT

Program Task: Well Abandonment - Private Water Supply
(Cost)

Program Task # Task 4.1.d

Drilling Cost*

Description	Invoice	Quantity	Unit	Cost Per Unit	Max. Allowed Per Unit	Total Cost
Well Abandonment**			foot		\$ 13.00	\$ -

* - The cost of drilling will be reimbursed at cost plus 15% not to exceed the published rates in the current RGD-002

** - Includes personnel, equipment, and supplies

DRAFT

4.2 Institutional Controls

Maximum cost is equal to the cost of the bid, plus 5% markup and change orders if applicable, submitted to the Division and approved in writing.

DRAFT

4.3 Engineering Controls

Maximum cost is equal to the cost of the bid, plus 5% markup and change orders if applicable, submitted to the Division and approved in writing.

DRAFT

Program Task: Corrective Action
 (CA Public Notice)

Program Task # Task 4.4.a.1

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 92.00	\$ 92.00
	Cost of Advertisement*				\$ -
	Postage*				\$ -
Maximum Allowed Total Cost for Task 4.4.a.1					\$ 92.00

*At cost (no markup)

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Eng. / Geo. / Sr. Env. Spec.	Office		\$ 92.00	1	\$ 92.00
Maximum Allowed Personnel Cost for Task 4.4.a.1					Sub-Total	\$ 92.00

DRAFT

Program Task: Corrective Action
 (CA Permit Utility Service)

Program Task # Task 4.4.a.2

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 184.00	\$ 184.00
Maximum Allowed Total Cost for Task 4.4.a.2					\$ 184.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Eng. / Geo. / Sr. Env. Spec.	Office		\$ 92.00	2	\$ 184.00
Maximum Allowed Personnel Cost for Task 4.4.a.2					Sub-Total	\$ 184.00

DRAFT

Program Task: Corrective Action
(Oversight of CAS Delivery)

Program Task # Task 4.4.a.3

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 460.00	\$ 460.00
	Equipment		1	\$ 1,028.00	\$ 1,028.00
Maximum Allowed Total Cost for Task 4.4.a.3					\$ 1,488.00

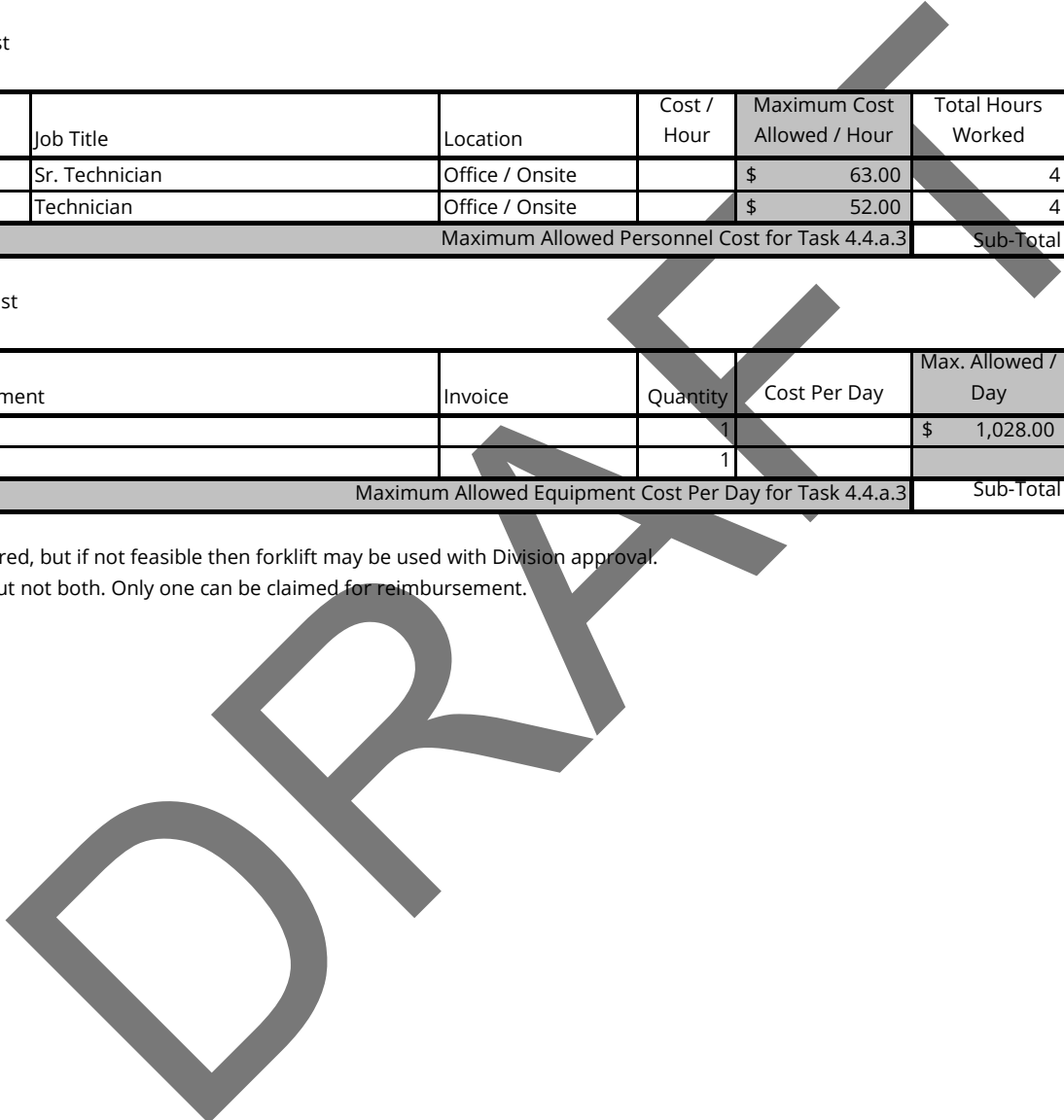
Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Sr. Technician	Office / Onsite		\$ 63.00	4	\$ 252.00
	Technician	Office / Onsite		\$ 52.00	4	\$ 208.00
Maximum Allowed Personnel Cost for Task 4.4.a.3					Sub-Total	\$ 460.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Crane*		1		\$ 1,028.00	\$ 1,028.00
Forklift*		1			\$ -
Maximum Allowed Equipment Cost Per Day for Task 4.4.a.3				Sub-Total	\$ 1,028.00

*Crane preferred, but if not feasible then forklift may be used with Division approval.
 Either/or but not both. Only one can be claimed for reimbursement.



4.4.a.4 . Corrective Action - Soil Excavation and Soil Source Removal

Maximum cost is equal to the cost of the proposal and any modifications made by the Division, and change orders if applicable, submitted to the Division in the CAP and approved in writing.

DRAFT

Program Task: Corrective Action
CAS Trench Installation

Program Task # 4.4.a.5

Maximum trench cost based on recovery line(s) per trench -

1 - 5 lines	\$	82.00 /foot
6 - 10 lines	\$	94.00 /foot

Cost includes all personnel time, equipment and supplies

DRAFT

Program Task: Corrective Action
 (Wellhead and Vault Installation) - **Lump Sum**

Program Task # 4.4.a.6

Cost for Each Wellhead and Vault Installation

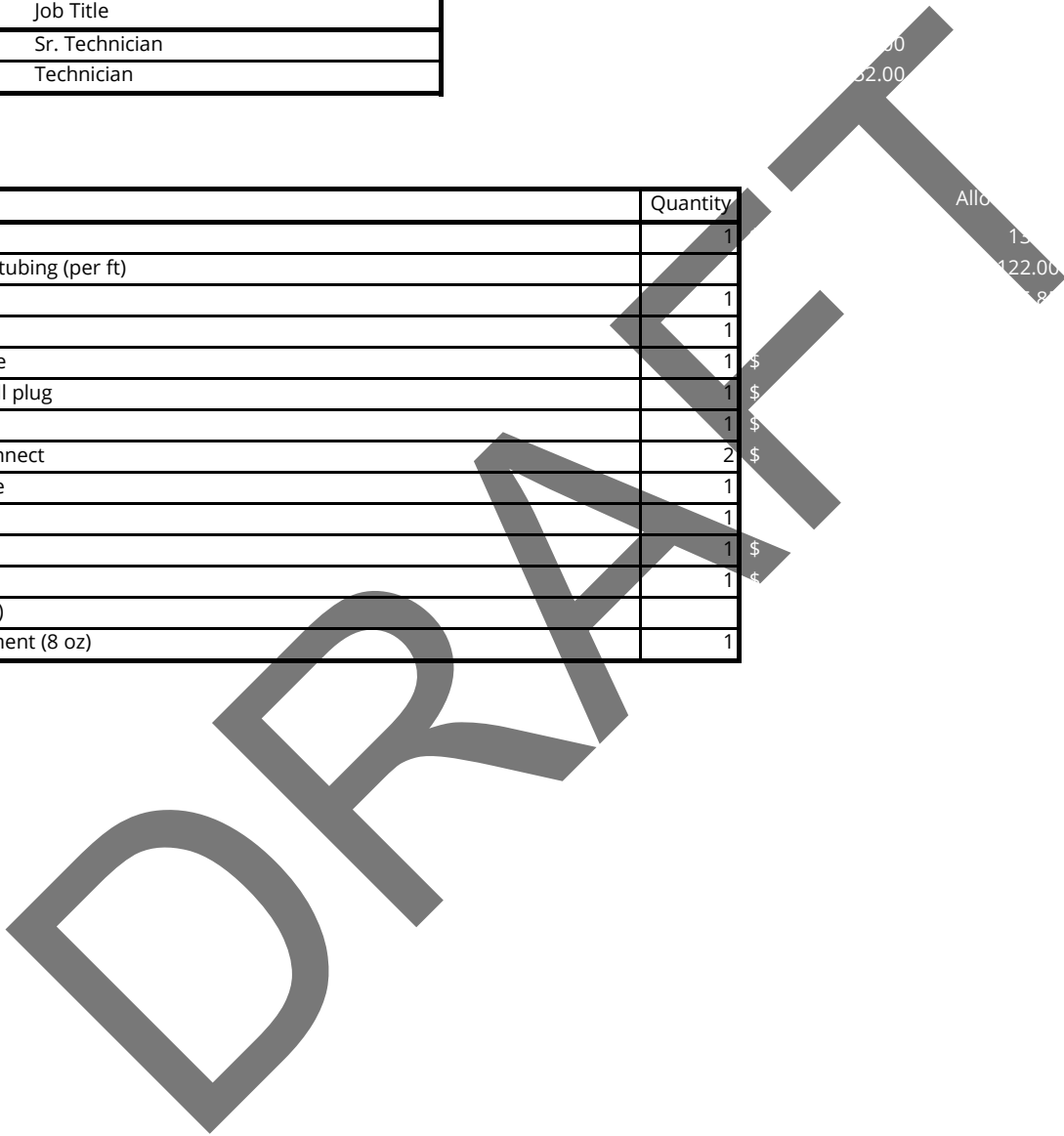
(LUMP SUM) Maximum Allowed Total Cost for Task 4.4.a.6	\$ 1,478.00
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Personnel

Job Title
Sr. Technician
Technician

Supplies

Description	Quantity
"Y"	1
1.25" Flexible tubing (per ft)	1
1/2" Nipples	1
2" Ball valves	1
Vacuum gauge	1
4" Locking well plug	1
1.25" Adapter	1
1/4" Quick connect	2
Air bleed valve	1
4" Seal	1
1.5" Cam lock	1
Vault	1
Concrete (yd3)	1
Cleaner & cement (8 oz)	1



Program Task: Corrective Action
 (CAS Inlet Manifold Installation) - **Lump Sum**

Program Task # 4.4.a.7

First Extraction Well Manifold Installation

(LUMP SUM) Maximum Allowed Total Cost for Task 4.4.a.7	\$ 421.00
---	------------------

Personnel Cost

Job Title
Sr. Technician

Supplies

Description	Quantity
2" PVC cap	1
2" ball valve	1
2" 90° elbow	2
2" x 2" coupling	2
4" 90° elbow	2
2" Clear PVC piping (ft)	1
4" PVC piping (10 foot section)	10
4" x 4" x 2" Tee	1
10 ft steel strut and 2 hanging brackets	1
Cleaner & cement (8 oz)	1

Each Additional Extraction Well Manifold Installation

(LUMP SUM) Maximum Allowed Total Cost for Task 4.4.a.7	\$ 127.00
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Personnel

Job Title
Sr. Technician

Supplies

Description	Quantity
2" ball valve	1
2" 90 degree elbow	2
2" x 2" coupling	2
2" Clear PVC piping (ft)	1
4" PVC piping (1 foot section)	1
4" x 4" x 2" Tee	1

Program Task: Corrective Action
 (Concrete Pad and Bollard Installation) - **Lump Sum**

Program Task # 4.4.a.8

(LUMP SUM) Maximum Allowed Total Cost for Task 4.4.a.8 \$ 2,216.00

Personnel

Job Title
Sr. Technician
Technician

Equipment

Type of Equipment	Quantity
Skid Steer Loader (Bobcat)*	0
Backhoe*	1
Safety cones, barricades, caution tape	2

*Either Backhoe or Skid Steer Loader, not both.

Supplies

Type of Supplies
Concrete (yd ³)
Gravel
Lumber and materials for frame

Bollards

Bollards	Invoice	Number of Units	Maximum Cost Allowed / Unit	Cost per Unit	Maximum Total
Bollards (4" diameter or larger steel pipe installed and filled with concrete)		12	\$ 230.00		\$ 2,760.00

Maximum bollards per site is up to 12 with case manager approval

Program Task: Corrective Action
(Mobilization and Demobilization)

Program 14.4.a.9

Equipment

Type of Equipment	Invoice	of Miles	Maximum		Mile	Total
			\$/mile	Miles		
Excavating equipment - Category 1 (min. \$125)			1.25	300.00		\$ 375.00
Excavating equipment - Category 2 (min. \$270)			2.70	300.00		\$ 810.00
Excavating equipment - Category 3 (min. \$500) *			5.00	300.00		\$ 1,500.00

* - prior Division approval required for category 3 equipment

DRAFT

Program Task: Corrective Action
CAS Discharge Trench Installation

Program Task # 4.4.a.10

*NOTE: Maximum cost -
\$24/foot for the discharge line for grass covered discharge line
\$30/foot for asphalt/concrete covered discharge line

Cost includes all personnel time, equipment and supplies

DRAFT

Program Task: Corrective Action
 (Wet Test, Prediagnostic Testing of system)

Program Task # Task 4.4.a.11

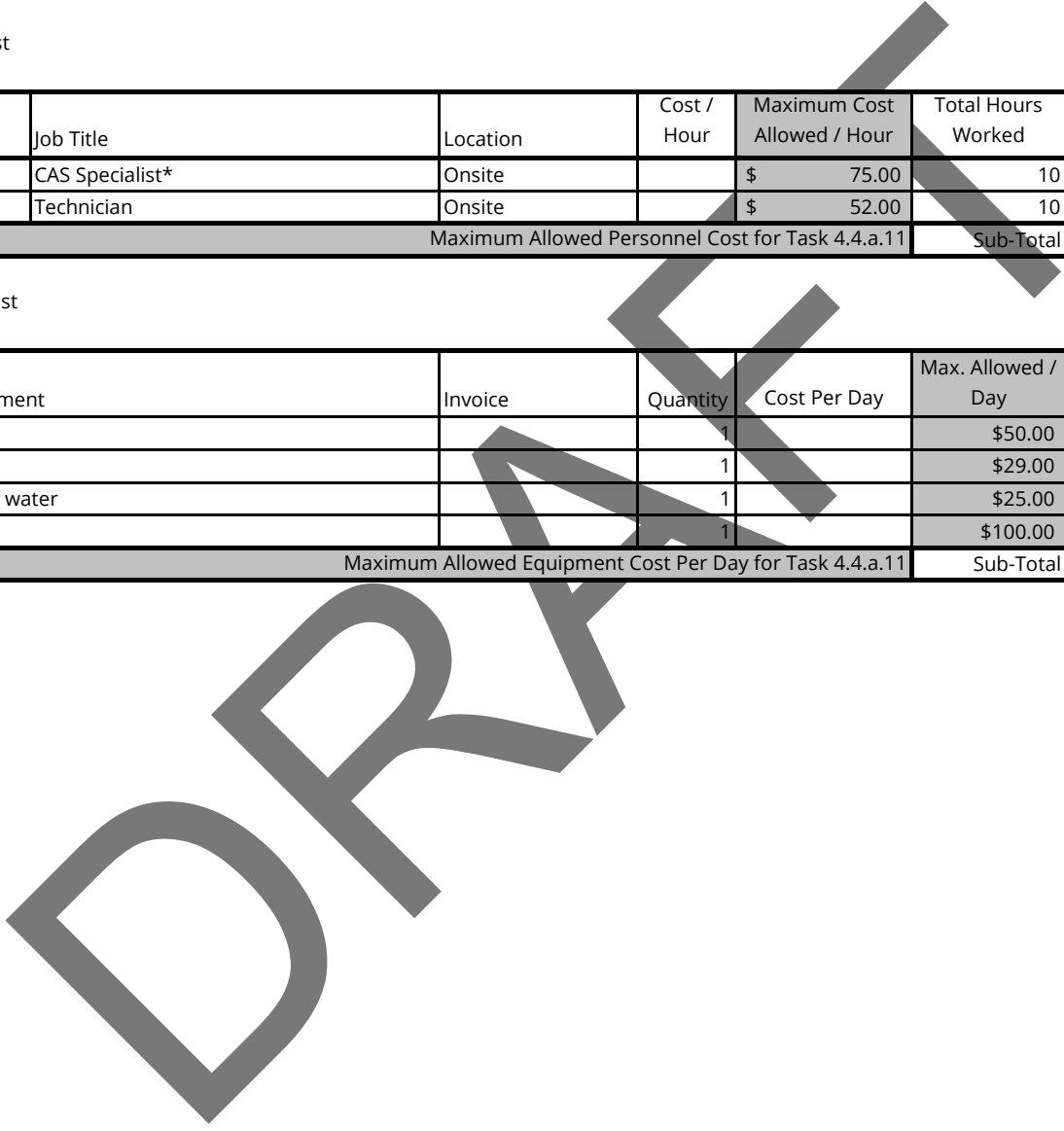
Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 1,270.00	\$ 1,270.00
	Equipment		1	\$ 204.00	\$ 204.00
Maximum Allowed Total Cost for Task 4.4.a.11					\$ 1,474.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	CAS Specialist*	Onsite		\$ 75.00	10	\$ 750.00
	Technician	Onsite		\$ 52.00	10	\$ 520.00
Maximum Allowed Personnel Cost for Task 4.4.a.11					Sub-Total	\$ 1,270.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Poly tank		1		\$50.00	\$ 50.00
Trailer		1		\$29.00	\$ 29.00
500 gallons of water		1		\$25.00	\$ 25.00
Supplies		1		\$100.00	\$ 100.00
Maximum Allowed Equipment Cost Per Day for Task 4.4.a.11				Sub-Total	\$ 204.00



4.4.a.12 Electrical Service Connection

Maximum cost is equal to the cost of the bid, plus 5% markup and change orders if applicable, submitted to the Division and approved in writing.

DRAFT

4.4.a.13 Disposal of CAS site debris

This Task is for the proper disposal of **non-contaminated** materials that must be removed from the site during installation of the CAS and associated trenching (4.4.a.5 through 4.4.a.8 and 4.4.a.10). This includes asphalt, concrete/rebar, scrap trench piping but does not include disposal of soils or gravel. This task should also be used for disposal costs associated with 4.4.d.9.

Maximum cost is equal to the itemized costs in other sections of RGD-002 (e.g. 1.3.b.2 transportation to a landfill and 1.3.b.3 landfill costs with maximum 5% markup) or the cost of the bid, and change orders if applicable, submitted to the Division and approved in writing.

DRAFT

Program Task: Corrective Action
(Routine O&M)

Program Task # Task 4.4.b.1

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 896.50	\$ 896.50
	Equipment		1	\$ 279.00	\$ 279.00
Maximum Allowed Total Cost for Task 4.4.b.1					\$ 1,175.50

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	0.5	\$ 54.50
	Eng. / Geo. / Sr. Env. Spec.	Office		\$ 92.00	1	\$ 92.00
	CAS Specialist*	Onsite		\$ 75.00	10	\$ 750.00
Maximum Allowed Personnel Cost for Task 4.4.b.1					Sub-Total	\$ 896.50

* Effective 1/02/12 all work conducted on state owned systems shall be performed by a CAS Specialist

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Bag filters		2		\$ 12.00	\$ 24.00
PID or FID *		1		\$ 50.00	\$ 50.00
Lubricating grease		1		\$ 30.00	\$ 30.00
2K to 3K PSI pressure washer		1		\$ 20.00	\$ 20.00
Velocity meter -air		1		\$ 10.00	\$ 10.00
Wet/dry vacuum		1		\$ 25.00	\$ 25.00
Supplies (Rydlyme, paper towels, gloves, etc.)		1		\$ 120.00	\$ 120.00
Maximum Allowed Equipment Cost Per Day for Task 4.4.b.1				Sub-Total	\$ 279.00

The Division will not reimburse compressors at the rental rate for routine O&M, if necessary, a justification shall be provided to the Division project manager for use for this task.

*Either/or may be used but reimbursement will only be for the actual instrument used

Poly tank, trailer, and water will reimbursed on a per site basis per the CAP

Program Task: Corrective Action
(Non-Scheduled Maintenance)

Program Task # Task 4.4.b.2

Personnel Cost

Name	Job Title	Invoice	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	1	\$ 109.00
	Eng. / Geo. / Sr. Env. Spec.	Office		\$ 92.00	2	\$ 184.00
	CAS Specialist*	Onsite		\$ 75.00	10	\$ 750.00
Maximum Allowed Personnel Cost for Task 4.4.b.2						\$ 1,043.00

***Effective 1/02/12 all work conducted on state owned systems shall be performed by a CAS Specialist**

DRAFT

Program Task: Corrective Action
(Evaluation Meeting)

Program Task # Task 4.4.b.3

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	1	\$ 109.00
	Eng. / Geo. / Sr. Env. Spec.	Office		\$ 92.00	8	\$ 736.00
	Eng. / Geo. / Sr. Env. Spec.	Onsite		\$ 92.00	8	\$ 736.00
Maximum Allowed Personnel Cost for Task 4.4.b.3						\$ 1,581.00

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Program Task: Corrective Action
(Process and Pay Utility Bills)

Program Task # Task 4.4.b.4

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Secretary	Office		\$ 40.00	2	\$ 80.00
Maximum Allowed Personnel Cost for Task 4.4.b.4						\$ 80.00

This task shall be billed in conjunction with 4.4.b.5.

DRAFT

Program Task: Corrective Action
(Process and Pay Utility Bills)

Program Task # Task 4.4.b.5

Utility Cost - No mark up allowed

Utility Type						Cost Allowed - Actual Utility Charge
Electric						
Telephone						
POTW						
Water						
					Maximum Allowed Cost for Task 4.4.b.5	Total \$ -

This task shall be billed in conjunction with 4.4.b.4.

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Program Task: Corrective Action
(Operation and/or Maintenance - additional technician)

Program Task # Task 4.4.b.6

This task MUST be requested and approved by the case manager in advance

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Technician	Onsite		\$ 52.00	10	\$ 520.00
Maximum Allowed Personnel Cost for Task 4.4.b.6						\$ 520.00

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Program Task: Corrective Action
Telemetry Review

Program Task # Task 4.4.b.7

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	2	\$ 218.00
Maximum Allowed Personnel Cost for Task 4.4.b.7						\$ 218.00

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Program Task: Corrective Action
(Annual Routine O&M)

Program Task # Task 4.4.b.8

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 1,416.50	\$ 1,416.50
	Equipment		1	\$ 182.00	\$ 182.00
	Annual O&M Kit		1	\$ -	-
Maximum Allowed Total Cost for Task 4.4.b.8					\$ 1,598.50

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	0.5	\$ 54.50
	Eng. / Geo. / Sr. Env. Spec.	Office		\$ 92.00	1	\$ 92.00
	Technician	Onsite		\$ 52.00	10	\$ 520.00
	CAS Specialist*	Onsite		\$ 75.00	10	\$ 750.00
Maximum Allowed Personnel Cost for Task 4.4.b.8					Sub-Total	\$ 1,416.50

*2 people allowed for this task, the 2nd person must bill as a Technician even if CAS Specialist certified.

Effective 1/02/12 all work conducted on state owned systems must be performed by a CAS Specialist.

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Bag filter		1		\$ 12.00	\$ 12.00
2K to 3K PSI pressure washer		1		\$ 20.00	\$ 20.00
Wet/dry vacuum		1		\$ 30.00	\$ 30.00
Supplies (Paper towels, gloves, etc.)		1		\$ 120.00	\$ 120.00
Maximum Allowed Equipment Cost Per Day for Task 4.4.b.8				Sub-Total	\$ 182.00

Annual O&M Kit* (at cost)

* Kit includes AOS replacement filter element, Inlet filter replacement filter element, dilution valve replacement filter element, 3 - five (5) gallon buckets of liquid ring pump oil, 2 Mechanical seal kits for CT10 transfer pumps for PLASTIC impellers, 2 Paper gaskets for CT10 transfer pump housing, 2 Transfer pump pvc ball check valves, 1 - one (1) gallon jug Rydlyme descaler, 1 roll of stripper lid gasket, 20' of 1" oil recirculation, red rubber hose. Does not include freight (must include manufacturer's invoice with reimbursement application)

Annual O&M task reimbursement includes activities for a routine O&M (i.e. an additional routine O&M event should not be conducted in the same month or reimbursement requested in addition to the annual O&M)

Program Task: Corrective Action
(Groundwater Sampling) - Lump Sum

Program Task # Task 4.4.c.1

First Well Sampled

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 243.50	\$ 243.50
	Equipment		1	\$ 55.00	\$ 55.00
(LUMP SUM) Maximum Allowed Total Cost for Task 4.4.c.1					\$ 298.50

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	0.5	\$ 54.50
	Sr. Technician	Office / Onsite		\$ 63.00	3	\$ 189.00
Maximum Allowed Personnel Cost for Task 4.4.c.1					Sub-Total	\$ 243.50

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Oil/water interface probe		1		\$ 10.00	\$ 10.00
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Disposable bailer		2		\$ 10.00	\$ 20.00
Maximum Allowed Equipment Cost Per Day for Task 4.4.c.1				Sub-Total	\$ 55.00

Each Additional Well Sampled

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 126.00	\$ 126.00
	Equipment		1	\$ 10.00	\$ 10.00
(LUMP SUM) Maximum Allowed Total Cost for Task 4.4.c.1					\$ 136.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Sr. Technician	Onsite		\$ 63.00	2	\$ 126.00
Maximum Allowed Personnel Cost for Task 4.4.c.1					Sub-Total	\$ 126.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Disposable bailer(s)		1		\$ 10.00	\$ 10.00
Maximum Allowed Equipment Cost Per Day for Task 4.4.c.1				Sub-Total	\$ 10.00

Program Task: Corrective Action
 (Water Supply Well Sampling) - **Lump Sum**

Program Task # Task 4.4.c.2

First Well Sampled

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 63.00	\$ 63.00
	Equipment		1	\$ 25.00	\$ 25.00
(LUMP SUM) Maximum Allowed Total Cost for Task 4.4.c.2					\$ 88.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Sr. Technician	Onsite		\$ 63.00	1	\$ 63.00
Maximum Allowed Personnel Cost for Task 4.4.c.2					Sub-Total	\$ 63.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Maximum Allowed Equipment Cost Per Day for Task 4.4.c.2				Sub-Total	\$ 25.00

Each Additional Well Sampled

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Sr. Technician	Office / Onsite		\$ 63.00	\$ 63.00
(LUMP SUM) Maximum Allowed Personnel Cost for Task 4.4.c.2					\$ 63.00

Program Task: Corrective Action
 (Surface Water Sampling) - **Lump Sum**

Program Task # Task 4.4.c.3

First Sample Point

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 63.00	\$ 63.00
	Equipment		1	\$ 25.00	\$ 25.00
(LUMP SUM) Maximum Allowed Personnel Cost for Task 4.4.c.3					\$ 88.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Sr. Technician	Onsite		\$ 63.00	1	\$ 63.00
Maximum Allowed Personnel Cost for Task 4.4.c.3					Sub-Total	\$ 63.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Maximum Allowed Equipment Cost Per Day for Task 4.4.c.3				Sub-Total	\$ 25.00

Each Additional Sampling Point

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Sr. Technician	Office / Onsite		\$ 63.00	\$ 63.00
(LUMP SUM) Maximum Allowed Personnel Cost for Task 4.4.c.3					\$ 63.00

Program Task: Corrective Action
 (Soil Sampling) - **Lump Sum**

Program Task # Task 4.4.c.4

First Sample Point

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 180.50	\$ 180.50
	Equipment		1	\$ 75.00	\$ 75.00
(LUMP SUM) Maximum Allowed Total Cost for Task 4.4.c.4					\$ 255.50

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	0.5	\$ 54.50
	Sr. Technician	Onsite		\$ 63.00	2	\$ 126.00
Maximum Allowed Personnel Cost for Task 4.4.c.4					Sub-Total	\$ 180.50

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
PID or FID*		1		\$ 50.00	\$ 50.00
Supplies (Ice, Sample disposal, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Maximum Allowed Equipment Cost Per Day for Task 4.4.c.4				Sub-Total	\$ 75.00

*Either/or may be used but reimbursement will only be for the actual instrument used

Each Additional Sample Point

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Sr. Technician	Office / Onsite		\$ 63.00	\$ 63.00
(LUMP SUM) Maximum Allowed Personnel Cost for Task 4.4.c.4					\$ 63.00

Program Task: Corrective Action
 (Laboratory Services)

Program Task # Task 4.4.c.5

Date	Description	Invoice	Number of Samples	Maximum Cost Allowed	Total Cost Allowed
	Analytical Cost (ex.)		1	\$ 96.00	\$ 96.00

Analysis

Analytical Method	Invoice	Number of Analysis	Maximum Cost Allowed / Analysis	Cost per Analysis	Total
Method 8260B (water - BTEXMN*)		1	\$ 96.00		\$ 96.00
Method 8260B (water - BTEXMN* + EDB & EDC)			\$ 146.00		\$ -
Method 8011 (water - EDB)			\$ 86.00		\$ -
Method 8310/8270C SIM (PAH) - water			\$ 150.00		\$ -
Method 6010 Metals (water - Cd, Cr, Pb, Ag, Zn)			\$ 125.00		\$ -
Method 6010 Metals (water - total lead only)			\$ 25.00		\$ -
Method 1664 oil & grease			\$ 58.00		\$ -
Method 160.2 TSS			\$ 21.00		\$ -
Method 8015 (DRO and/or GRO)			\$ 85.00		\$ -
Method TN EPH**			\$ 85.00		\$ -
Method 6010 (water Cd, Cr, Pb)			\$ 75.00		\$ -
Method LC50			\$ 1,175.00		\$ -
Method IC25			\$ 1,760.00		\$ -

* BTEXMN - benzene, toluene, ethylbenzene, total xylenes, MtBE, naphthalene

** For Discharge Samples only if required

DRAFT

Maximum cost is equal to the cost of the proposal and any modifications made by the Division, and change orders if applicable, submitted to the Division and approved in writing.

DRAFT

Program Task: Corrective Action
(Land and Receptor Monitoring)

Program Task # Task 4.4.c.7

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Eng. / Geo. / Sr. Env. Spec.	Onsite		\$ 92.00	2	\$ 184.00
Maximum Allowed Personnel Cost for Task 4.4.c.7						\$ 184.00

DRAFT

Program Task: Corrective Action
(POTW sampling) - **Lump Sum**

Program Task # Task 4.4.c.8

First Sample Collected

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 63.00	\$ 63.00
	Equipment		1	\$ 25.00	\$ 25.00
(LUMP SUM) Maximum Allowed Personnel Cost for Task 4.4.c.8					\$ 88.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Sr. Technician	Onsite		\$ 63.00	1	\$ 63.00
Maximum Allowed Personnel Cost for Task 4.4.c.8					Sub-Total	\$ 63.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Maximum Allowed Equipment Cost Per Day for Task 4.4.c.8				Sub-Total	\$ 25.00

Each Additional Sample Collected

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Sr. Technician	Onsite		\$ 63.00	\$ 63.00
(LUMP SUM) Maximum Allowed Personnel Cost for Task 4.4.c.8					\$ 63.00

Program Task: Corrective Action
 (NPDES Sampling) - **Lump Sum**

Program Task # Task 4.4.c.9

First Sample Collected

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 63.00	\$ 63.00
	Equipment		1	\$ 25.00	\$ 25.00
(LUMP SUM) Maximum Allowed Total Cost for Task 4.4.c.9					\$ 88.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Sr. Technician	Onsite		\$ 63.00	1	\$ 63.00
Maximum Allowed Personnel Cost for Task 4.4.c.9					Sub-Total	\$ 63.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Maximum Allowed Equipment Cost Per Day for Task 4.4.c.9				Sub-Total	\$ 25.00

Each Additional Sample Collected

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Sr. Technician	Onsite		\$ 63.00	\$ 63.00
(LUMP SUM) Maximum Allowed Personnel Cost for Task 4.4.c.9					\$ 63.00

Program Task: Corrective Action
 (NPDES Toxicity Testing) - **Lump Sum**

Program Task # Task 4.4.c.10

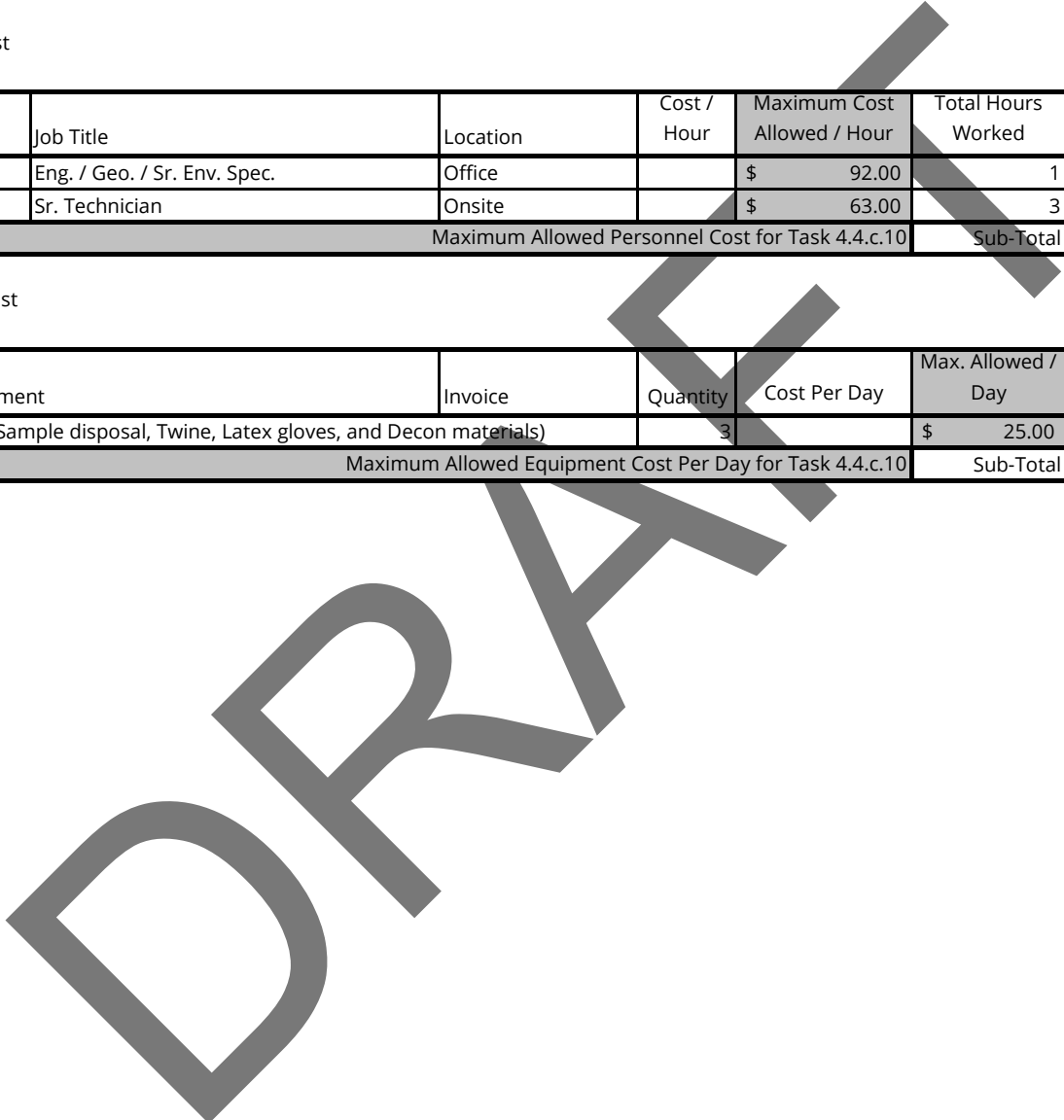
Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 281.00	\$ 281.00
	Equipment		1	\$ 75.00	\$ 75.00
(LUMP SUM) Maximum Allowed Total Cost for Task 4.4.c.10					\$ 356.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Eng. / Geo. / Sr. Env. Spec.	Office		\$ 92.00	1	\$ 92.00
	Sr. Technician	Onsite		\$ 63.00	3	\$ 189.00
Maximum Allowed Personnel Cost for Task 4.4.c.10					Sub-Total	\$ 281.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		3		\$ 25.00	\$ 75.00
Maximum Allowed Equipment Cost Per Day for Task 4.4.c.10				Sub-Total	\$ 75.00



Program Task: Corrective Action
 (Air Monitoring)

Program Task # Task 4.4.c.11

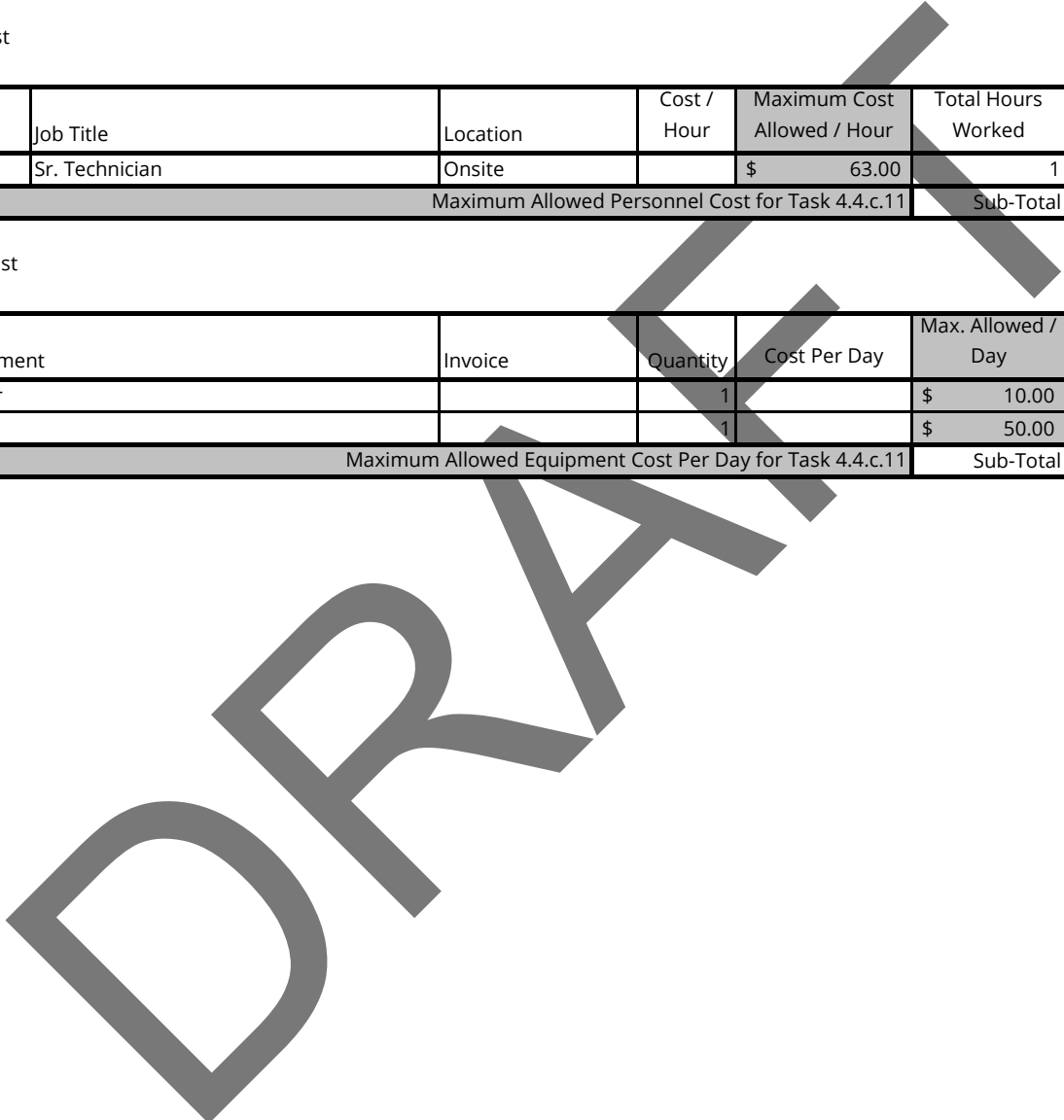
Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 63.00	\$ 63.00
	Equipment		1	\$ 60.00	\$ 60.00
Maximum Allowed Total Cost for Task 4.4.c.11					\$ 123.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Sr. Technician	Onsite		\$ 63.00	1	\$ 63.00
Maximum Allowed Personnel Cost for Task 4.4.c.11					Sub-Total	\$ 63.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Velocity meter		1		\$ 10.00	\$ 10.00
PID or FID*		1		\$ 50.00	\$ 50.00
Maximum Allowed Equipment Cost Per Day for Task 4.4.c.11				Sub-Total	\$ 60.00



Program Task: Corrective Action System Closure
(Water and/or Free Product Drum Disposal)

Program Task # Task 4.4.c.12

Type of Item	Invoice	Number of Drums	Maximum Cost Allowed / Unit	Cost per Unit	Total
Drum Disposal (includes cost of drum)		1	\$ 200.00		\$ 200.00

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Program Task: Corrective Action System Closure
(Soil Drum Disposal)

Program Task # Task 4.4.c.13

Type of Item	Invoice	Number of Drums	Maximum Cost Allowed / Unit	Cost per Unit	Total
Drum Disposal (includes cost of drum)		1	\$ 200.00		\$ 200.00

DRAFT

Program Task: Corrective Action
(Vaccum Monitoring)

Program Task # Task 4.4.c.14

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 126.00	\$ 126.00
	Equipment		1	\$ 10.00	\$ 10.00
Maximum Allowed Total Cost for Task 4.4.c.14					\$ 136.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Sr. Technician	Onsite		\$ 63.00	2	\$ 126.00
Maximum Allowed Personnel Cost for Task 4.4.c.14					Sub-Total	\$ 126.00

Equipment

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Digital or dial vacuum gauge		1		\$ 10.00	\$ 10.00
Maximum Allowed Equipment Cost Per Day for Task 4.4.c.14				Sub-Total	\$ 10.00

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Program Task: Corrective Action System Closure
 (Deactivation)

Program Task # Task 4.4.d.1

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 2,649.00	\$ 2,649.00
	Equipment		1	\$ 415.00	\$ 415.00
Maximum Allowed Personnel Cost for Task 4.4.d.1					\$ 3,064.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Project Manager	Office		\$ 109.00	1	\$ 109.00
	CAS Specialist*	Onsite		\$ 75.00	20	\$ 1,500.00
	Technician	Onsite		\$ 52.00	20	\$ 1,040.00
Maximum Allowed Personnel Cost for Task 4.4.d.1					Sub-Total	\$ 2,649.00

***Effective 1/02/14 all CAS deactivation conducted on state owned system shall be performed by a CAS Specialist**

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost / Each	Max. Allowed / Day	Total Cost / Day
Cleaning supplies		2		\$ 100.00	\$ 200.00
5 gallons liquid ring pump oil		1		\$ 215.00	\$ 215.00
Maximum Allowed Equipment Cost for Task 4.4.d.1				Sub-Total	\$ 415.00

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Program Task: Corrective Action System Closure
(Drum Disposal)

Program Task # Task 4.4.d.2

Type of Item	Invoice	Number of Drums	Maximum Cost Allowed / Unit	Cost per Unit	Total
Drum Disposal (includes cost of drum)		1	\$ 200.00		\$ 200.00

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Program Task: Corrective Action System Closure
(Permit-Utility Termination)

Program Task # Task 4.4.d.3

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Eng. / Geo. / Sr. Env. Spec.	Office		\$ 92.00	2	\$ 184.00
Maximum Allowed Personnel Cost for Task 4.4.d.3						\$ 184.00

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Program Task: Corrective Action System Closure
(Prep CA System for Transport)

Program Task # Task 4.4.d.4

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs
	Sr. Technician	Onsite		\$ 63.00	6	\$ 378.00
Maximum Allowed Personnel Cost for Task 4.4.d.4						\$ 378.00

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Program Task: Corrective Action System Closure
 (Decommissioning of CA System)

Program Task # Task 4.4.d.5

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 1,645.00	\$ 1,645.00
	Equipment		1	\$ 1,668.00	\$ 1,668.00
Maximum Allowed Personnel Cost for Task 4.4.d.5					\$ 3,313.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	1	\$ 95.00
	Sr. Technician	Onsite		\$ 63.00	10	\$ 630.00
	Technician	Onsite		\$ 52.00	10	\$ 520.00
	Heavy Equipment Operator	Onsite		\$ 50.00	8	\$ 400.00
Maximum Allowed Personnel Cost for Task 4.4.d.5					Sub-Total	\$ 1,645.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Backhoe		1	\$ 430.00	\$ 430.00	\$ 430.00
Dump truck 15 yd3 and larger (w/o driver)		8	\$ 78.00	\$ 624.00	\$ 624.00
Skid steer loader (bobcat)		1	\$ 389.00	\$ 389.00	\$ 389.00
Pavement/concrete breaker for bobcat		1	\$ 200.00	\$ 200.00	\$ 200.00
Supplies		1	\$ 25.00	\$ 25.00	\$ 25.00
Maximum Allowed Equipment Cost Per Day for Task 4.4.d.5				Sub-Total	\$ 1,668.00

Note: This task must be approved in writing by the Case Manager

Program Task: Corrective Action System Closure
(Heavy Equipment Mobilization and Demobilization)

Program Task # Task 4.4.d.6

Equipment

Type of Equipment	Invoice	Number of Miles	Maximum		Mile	Total
			\$/mile	Miles		
Excavating equipment - Category 1 (minimum \$125)			1.25	300.00		\$ 375.00

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Program Task: Corrective Action System Closure
(Oversight of CA System Pickup)

Program Task # Task 4.4.d.7

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Sr. Technician	Onsite		\$ 63.00	6	\$ 378.00
Maximum Allowed Personnel Cost for Task 4.4.d.7						\$ 378.00

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Program Task: Corrective Action System Closure
 (Reactivation)

Program Task # Task 4.4.d.8

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 1,379.00	\$ 1,379.00
	Equipment		1	\$ 355.00	\$ 355.00
Maximum Allowed Personnel Cost for Task 4.4.d.8					\$ 1,734.00

Personnel Cost

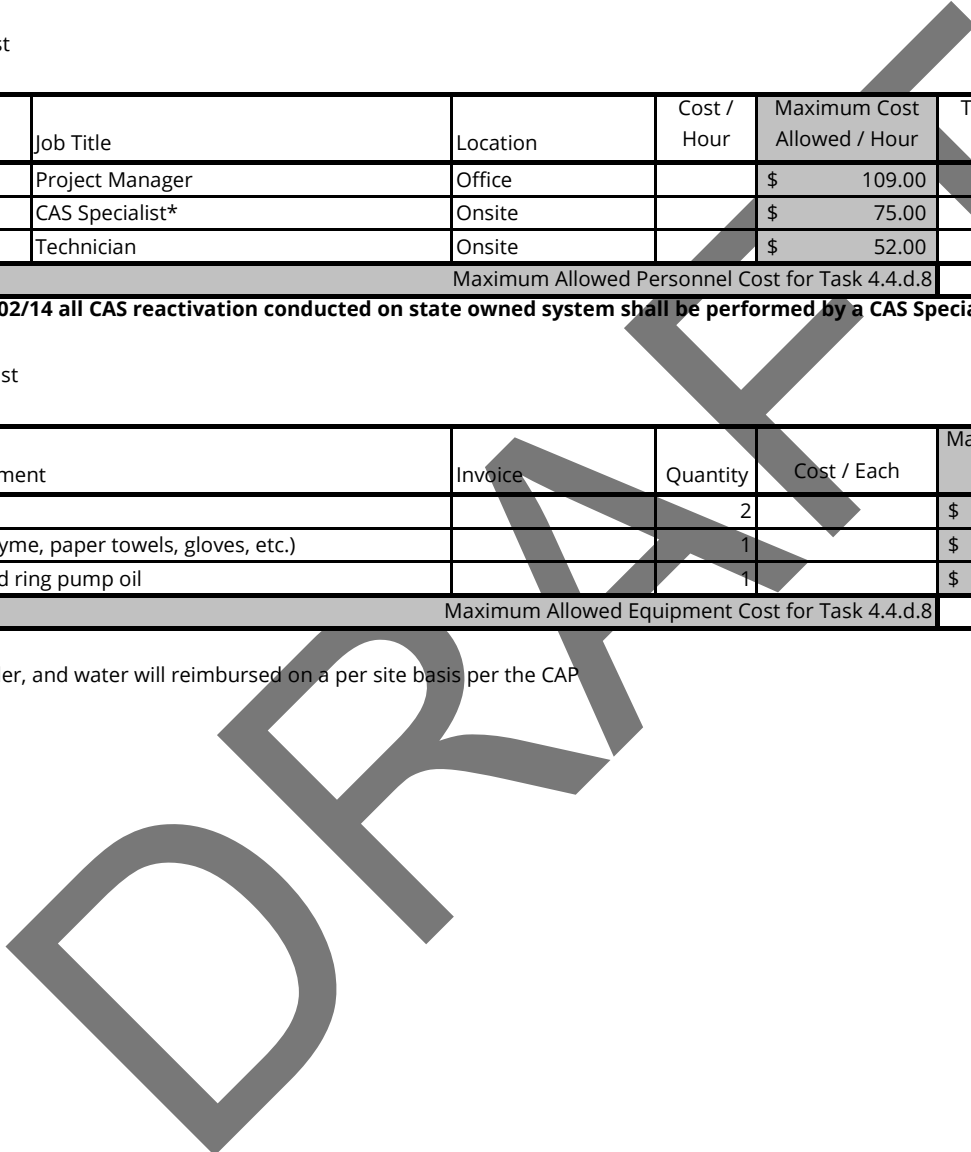
Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Day
	Project Manager	Office		\$ 109.00	1	\$ 109.00
	CAS Specialist*	Onsite		\$ 75.00	10	\$ 750.00
	Technician	Onsite		\$ 52.00	10	\$ 520.00
Maximum Allowed Personnel Cost for Task 4.4.d.8					Sub-Total	\$ 1,379.00

* Effective 1/02/14 all CAS reactivation conducted on state owned system shall be performed by a CAS Specialist

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost / Each	Max. Allowed / Day	Total Cost / Day
Bag filters		2		\$ 10.00	\$ 20.00
Supplies (Rydlyme, paper towels, gloves, etc.)		1		\$ 120.00	\$ 120.00
5 gallons liquid ring pump oil		1		\$ 215.00	\$ 215.00
Maximum Allowed Equipment Cost for Task 4.4.d.8				Sub-Total	\$ 355.00

Poly tank, trailer, and water will reimbursed on a per site basis per the CAP



Program Task: Corrective Action System Closure
 (Removal of Concrete Pad for a CA System Sent for Refurbishment)

Program Task # Task 4.4.d.9

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 547.00	\$ 547.00
	Equipment		1	\$ 901.00	\$ 901.00
Maximum Allowed Personnel Cost for Task 4.4.d.5					\$ 1,448.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	1	\$95.00
	Sr. Technician	Onsite		\$ 63.00	4	\$252.00
	Truck Driver	Onsite		\$ 50.00	4	\$200.00
Maximum Allowed Personnel Cost for Task 4.4.d.5					Sub-Total	\$547.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Skid steer loader (bobcat)		1	\$ 389.00	\$ 389.00	\$ 389.00
Pavement/concrete breaker for bobcat		1	\$ 200.00	\$ 200.00	\$ 200.00
Dump truck 15 yd3 and larger (w/o driver)		4	\$ 78.00	\$ 312.00	\$ 312.00
Maximum Allowed Equipment Cost Per Day for Task 4.4.d.5				Sub-Total	\$ 901.00

Note this task is to be conducted at the request of the property owner (documentation required) and in conjunction with Task 4.4.d.7 or 5.2.c. Travel time, mileage, lodging and per diem costs will not be reimbursed for this Task.



Program Task: Injection
(Scheduling)

Program Task # Task 4.4.e.1

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	3	\$ 327.00
Maximum Allowed Personnel Cost for Task 4.4.e.1					Sub-Total	\$ 327.00

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Program Task: Injection
(Private Utility Location and Marking)

Program Task # Task 4.4.e.2

Maximum cost is equal to the cost of the lowest bid*, plus 15% markup, and change orders if applicable, submitted to the Division and approved in writing.

* Three (3) bids are required and the lowest bid is to be chosen unless approved by the Division in writing.

Note Only one private location marking is allowed for each release case unless approved by the Division in writing.

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Program Task: Injection
(Drilling Mobilization and Demobilization)

Program Task # Task 4.4.e.3

Equipment

Type of Equipment	Invoice	Number of Miles	Maximum		Mile	Total
			\$/mile	Miles		
Direct push unit (minimum \$270)			2.70	300.00		\$ 810.00

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Drilling Cost*

Description	Invoice	Quantity	Unit	Cost Per Unit	Max. Allowed Per	Total Cost Per
Auger drilling 2-inch wells**			foot		\$ 42.00	\$ -
Auger drilling 4-inch wells**			foot		\$ 52.00	\$ -
Air rotary drilling 2-inch wells**			foot		\$ 55.00	\$ -
Air rotary drilling 4-inch wells**			foot		\$ 65.00	\$ -
Double cased well - 6-inch wells**			foot		\$ 73.00	\$ -
Double cased well - 8-inch wells**			foot		\$ 87.00	\$ -
Boring abandonment***			foot		\$ 13.00	\$ -
Borings			foot		\$ 18.00	\$ -
Split spoon sampling (ASTM-D1586)			split spoon		\$ 24.00	\$ -
Continuous sampling (5 foot sample)			each		\$ 55.00	\$ -
Decontamination of rig and tools****			boring		\$ 150.00	\$ -
Standby Time Not Due to the Driller*****			day		\$ 150.00	\$ -
Third man for drilling (per hour)			hour		\$ 40.00	\$ -
Poly tank*****			day		\$ 50.00	\$ -
Utility Trailer*****			day		\$ 29.00	\$ -
500 gallons of water			day		\$ 25.00	\$ -
Water tight bolt down manhole			well		\$ 78.00	\$ -
Centralizers - stainless steel 2-inch			each		\$ 30.00	\$ -
Centralizers - stainless steel 4-inch			each		\$ 32.00	\$ -
Concrete penetration			hole		\$ 114.00	\$ -
Removal of manhole cover and well pad			well		\$ 150.00	\$ -
Direct push unit - Full day			day		\$ 1,900.00	\$ -
Direct push unit - Half day			day		\$ 1,425.00	\$ -
Soil sample liners			each		\$ 7.00	\$ -
Soil gas survey sample train using nylon tubing (cost/sample train)			each		\$ 33.00	\$ -
Expendable probe points			each		\$ 13.00	\$ -
Expendable soil gas probe points			each		\$ 25.00	\$ -
Temporary well			foot		\$ 6.00	\$ -
Bentonite (50 lb bag)			bag		\$ 17.00	\$ -

- * - The cost of drilling will be reimbursed at cost plus 15% not to exceed the following rates
- ** - Price per foot includes drill rig and setup fee, installation, sand, bentonite, cement, flush mount manhole, locks, end plug, casing, screens, and 2 man crew
- *** - Includes personnel, equipment and supplies
- **** - Includes steam cleaner rental
- ***** - Maximum 1 hr.
- ***** - Only 1/day allowed if no water is available at site

Program Task: Injection
(Injection - Mobilization and Demobilization)

Program Task # Task 4.4.e.5

Maximum cost is equal to the cost of the bid, and change orders if applicable, plus a 5% markup submitted to the Division and approved in writing.

DRAFT

Program Task: Injection
(Conduct Injection)

Program Task # Task 4.4.e.6

Maximum cost is equal to the cost of the bid, and change orders if applicable, plus a 5% markup, submitted to the Division and approved in writing.

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Program Task: Injection
 (Supervision of Field Work)

Program Task # Task 4.4.e.7

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 974.50	\$ 974.50
Maximum Allowed Total Cost for Task 4.4.e.7					\$ 974.50

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	0.5	\$ 54.50
	Eng. / Geo	Onsite		\$ 92.00	10	\$ 920.00
Maximum Allowed Personnel Cost for Task 4.4.e.7					Sub-Total	\$ 974.50

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Program Task: Injection
 (Groundwater Sampling) - **Lump Sum**

Program Task # Task 4.4.e4.8

First Well Sampled

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 243.50	\$ 243.50
	Equipment		1	\$ 55.00	\$ 55.00
(LUMP SUM) Maximum Allowed Total Cost for Task 4.4.e.8					\$ 298.50

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	0.5	\$ 54.50
	Sr. Technician	Office / Onsite		\$ 63.00	3	\$ 189.00
Maximum Allowed Personnel Cost for Task 4.4.e.8					Sub-Total	\$ 243.50

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Oil/water interface probe		1		\$ 10.00	\$ 10.00
Supplies (Ice, Sample disposal, Twine, Latex gloves, and Decon materials)		1		\$ 25.00	\$ 25.00
Disposable bailer(s)		2		\$ 10.00	\$ 20.00
Maximum Allowed Equipment Cost Per Day for Task 4.4.e.8				Sub-Total	\$ 55.00

Each Additional Well Sampled

Date	Description	Invoice	Number of Days	Maximum Cost Allowed	Total Cost Allowed
	Personnel		1	\$ 126.00	\$ 126.00
	Equipment		1	\$ 10.00	\$ 10.00
(LUMP SUM) Maximum Allowed Total Cost for Task 4.4.e.8					\$ 136.00

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Sr. Technician	Office / Onsite		\$ 63.00	2	\$ 126.00
Maximum Allowed Personnel Cost for Task 4.4.e.8					Sub-Total	\$ 126.00

Equipment Cost

Type of Equipment	Invoice	Quantity	Cost Per Day	Max. Allowed / Day	Total Cost / Day
Disposable bailer(s)		1		\$ 10.00	\$ 10.00
Maximum Allowed Equipment Cost Per Day for Task 4.4.e.8				Sub-Total	\$ 10.00

Program Task: Injection
 (Laboratory Services)

Program Task # Task 4.4.e.9

Date	Description	Invoice	Number of Samples	Maximum Cost Allowed	Total Cost Allowed
	Analytical Cost (ex.)		1	\$ 96.00	\$ 96.00

Analysis

Analytical Method	Invoice	Number of Analysis	Maximum Cost Allowed / Analysis	Cost per Analysis	Total
Method 8260B (water - BTEXMN*)		1	\$ 96.00		\$ 96.00
Method 8260B (water - BTEXMN* + EDB & EDC)			\$ 146.00		\$ -
Method 8011 (water - EDB)			\$ 86.00		\$ -
Method 8310/8270C SIM (PAH) - water			\$ 150.00		\$ -
Method 6010 Metals (water - Cd, Cr, Pb, Ag, Zn)			\$ 125.00		\$ -
Method 6010 Metals (water - total lead only)			\$ 25.00		\$ -
Method 6010 Metals (water - Fe, Mn)			\$ 50.00		\$ -
Method 8260B (soil - BTEXMN*)			\$ 86.00		\$ -
Method 8260B (soil - BTEXMN* + EDB & EDC)			\$ 136.00		\$ -

* BTEXMN - benzene, toluene, ethylbenzene, total xylenes, MtBE, naphthalene

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Program Task: Injection
(Drum Disposal)

Program Task # Task 4.4.e.10

Type of Item	Invoice	Number of Drums	Maximum Cost Allowed / Unit	Cost per Unit	Total
Drum Disposal (includes cost of drum)		1	\$ 200.00		\$ 200.00

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Program Task: Well Abandonment
(Supervision of Abandonment)

Program Task # Task 5.1.a

Personnel

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Eng. / Geo. / Sr. Env. Spec.	Office		\$ 92.00	2	\$ 184.00
	Sr. Technician	Onsite		\$ 63.00	4	\$ 252.00
Maximum Allowed Personnel Cost for Task 5.1.a						\$ 436.00

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Program Task: Well Abandonment
(Cost)

Program Task # Task 5.1.b

Drilling Cost*

Description	Invoice	Quantity	Unit	Cost Per Unit	Max. Allowed Per Unit	Total Cost Per Unit
Well abandonment**			foot		\$ 13.00	\$ -
Recovery well vault			each		\$ 345.00	
Removal of manhole cover and well pad			well		\$ 150.00	\$ -

* - The cost of drilling will be reimbursed at cost plus 15% not to exceed the following rates

** - Includes personnel, equipment and supplies

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Program Task: Well Abandonment
(Mobilization and Demobilization of Support Truck)

Program Task # Task 5.1.c

Equipment

Type of Equipment	Invoice	Number of Miles	Maximum Cost		Cost per Mile	Total
			/mile	Total		
Support truck			\$ 0.75	300.00		\$ 225.00

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Program Task: Site Restoration
(Scheduling)

Program Task # Task 5.2.a

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Project Manager	Office		\$ 109.00	2	\$ 218.00
Maximum Allowed Personnel Cost for Task 5.2.a						\$ 218.00

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Program Task: Site Restoration
(Supervision of field work)

Program Task # Task 5.2.b

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Eng. / Geo. / Sr. Env. Spec.*	Office / Onsite		\$ 92.00	2	\$ 184.00
	Env. Spec*	Office / Onsite		\$ 70.00	0	\$ -
	Sr. Technician*	Office / Onsite		\$ 63.00	0	\$ -
Maximum Allowed Personnel Cost for Task 5.2.b				\$ 184.00		\$ 184.00

* Only one person onsite from the job titles listed with an "*"

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Program Task: Site Restoration

Program Task # Task 5.2.c

Personnel Cost

Name	Job Title	Location	Cost / Hour	Maximum Cost Allowed / Hour	Total Hours Worked	Total Labor Costs / Hour
	Technician	Onsite		\$ 52.00	5	\$ 260.00
Maximum Allowed Personnel Cost for Task 5.2.c					Sub-Total	\$ 260.00

Grass seed, straw bales, and/or mulch at cost + 15%, receipts required

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6.0 Task Number

Task Code	Submitted Documents (Applications/Proposals/Reports/Submittals)	Maximum Costs
6.1	UST Closure	
6.1.a	TRBCA Closure Report	\$575.00
6.1.b	Soil Stockpile Sampling Report (TGD-005)	\$385.00
6.1.c	Over-excavation Report	\$1,285.00
6.1.d	Application to Treat Petroleum Contaminated Soil (TGD-009)	\$220.00
6.1.e	Soil Treatment and Disposal Report	\$395.00
6.2	Hazard Notification Report	\$95.00
6.3	Site Check Report (TGD-012)	\$1,005.00
6.4	Initial Response and Hazard Management Report (IRHMR)	\$2,540.00
6.4.a	Hazard Management Report	\$430.00
6.4.b	Health and Safety Plan (if not submitted with IRHMR)	\$375.00
6.5	Impacted Drinking Water Management (TGD-019)	
6.5.a	Impacted Drinking Water - Hazard Management Report (TGD-019)	\$485.00
6.5.b	Impacted Drinking Water Supply Temporary Response – Proposal	\$425.00
6.5.c	Impacted Drinking Water Supply Permanent Response – Proposal	\$860.00
6.6	Petroleum Vapor Impact Management (TGD-020)	
6.6.a	Petroleum Vapor Impact - Hazard Management Report (TGD-020)	\$485.00
6.6.b	Response to Petroleum Vapor Impact Temporary Response - Proposal	\$425.00
6.6.c	Response to Petroleum Vapor Impact Permanent Response - Proposal	\$860.00
6.7	Mobile Enhanced Multi-phase Extraction (MEME) (TGD-016)	
6.7.a	Application to Perform MEME	\$430.00
6.7.b	8 hr MEME Report	\$430.00
6.7.c	24 hr MEME Report	\$570.00
6.8	Free Product Removal	
6.8.a	Free Product - Hazard Management Report	\$585.00
6.8.b	Free Product Investigation Plan	\$890.00
6.8.c	Free Product Investigation Report	\$2,540.00
6.8.d	Free Product Removal Plan	\$6,195.00
6.9	Initial Site Characterization Report	\$5,075.00
6.9.a	Additional Monitoring Well Installation Proposal	\$185.00
6.9.b	Additional Monitoring Well Installation Report	\$430.00
6.10	Exposure Assessment Report (TGD-017)	\$1,410.00
6.10.a	Additional Remediation and/or Risk Management Response Submittal	\$95.00
6.10.b	Additional Remediation and/or Risk Management Evaluation – with Division approval	\$855.00
6.10.c	Risk Analysis Report only	\$170.00
6.11	Soil Gas Survey (TGD-018)	
6.11.a	Soil Gas Survey Application	\$425.00
6.11.b	Soil Gas Survey Report	\$730.00
6.12	Source Removal (Over-excavation)	
6.12.a	Source Removal Proposal	\$280.00
6.12.b	Source Removal Report	\$1,285.00
6.13	Risk Reduction	
6.13.a	Risk Reduction Proposal	\$280.00
6.13.b	Risk Reduction Report	\$730.00

6.0 Task Number

Task Code	Submitted Documents (Applications/Proposals/Reports/Submittals)	Maximum Costs
6.14	Institutional Controls	
6.14.a	Institutional Control Proposal	\$280.00
6.14.b	Institutional Control Report	\$110.00
6.15	Engineering Controls	
6.15.a	Engineering Control Proposal	\$280.00
6.15.b	Engineering Control Report	\$1,110.00
6.17	Corrective Action Plan (CAP)	
6.17.a	CAP Soil Contamination Only	\$4,210.00
6.17.b	CAP with groundwater Contamination	\$6,195.00
6.18	Monitoring Reports (TGD-007 and Corrective Action)	
6.18.a	Risk Monitoring Report (RMR)	\$1,285.00
6.18.b	Closure Monitoring Report (CMR) (not associated with Corrective Action)	\$1,285.00
6.18.g	Corrective Action Baseline Monitoring Report (CABMR)	\$1,995.00
6.18.h	Corrective Action Monitoring Report - with as-built diagrams (CAMR-ab)	\$2,660.00
6.18.i	Corrective Action Monitoring Report (CAMR)	\$2,270.00
6.18.j	Corrective Action Closure Monitoring Report (CACMR)	\$1,470.00
6.19	Permit Applications and Discharge Monitoring Reports	
6.19.a	NPDES Permit Application	\$525.00
6.19.b	Discharge Monitoring Report (DMR)	\$185.00
6.19.c	POTW Application	\$525.00
6.19.d	POTW Report	\$185.00
6.19.f	Air Exceedance Report	\$185.00
6.19.g	Annual Air Emissions Report	\$380.00
6.19.h	Monitoring Well Maintenance Fee - no markup (Shelby County)	\$135.00
6.19.i	Class V Underground Injection Well Application (TGD-003)	\$550.00
6.19.j	Monitoring Well Permit - no markup (Shelby County)	\$180.00
6.19.k	Right-of-way Bond - no markup	actual cost
6.19.x	Other Required Permits / Renewals - no markup	actual cost
6.20	Miscellaneous Application/Proposals/Reports/Submittals	
6.20.a	Field Work Notification	\$40.00
6.20.b	Boring Log Installation submittal	\$95.00
6.20.c	Public Notice of Corrective Action	\$95.00
6.20.d	Water Use and Receptor Survey Report (other than IRHMR/ISCR)	\$910.00
6.20.z	Other report as required by the Division (actual cost as approved by case manager in writing)	actual cost
6.21	Corrective Action System Deactivation Report	\$95.00
6.22	Monitoring Well Abandonment Report (<6 wells)	\$95.00
6.23	Monitoring Well Abandonment Report (>6 wells)	\$185.00
6.24	Advanced Site Characterization	
6.23.a	Advanced Site Characterization Proposal	\$890.00
6.23.b	Advanced Site Characterization Report from the Sub-contractor (includes cost for a site map, utility locate information, and summary)	\$1,225.00
6.23.c	Confirmatory Sampling Report (includes tables, maps and boring logs)	\$430.00