

**Table 1:  
10th Cavalry Environmental Services  
Cost Estimate - Assumes Limited Laboratory Analyses  
November 12, 2021**

Task	Type	Units	Qty	Rate	Mark Up	Item Total	Sub Totals	Task Total
<b>1. Work Plan, Project Management, HASP Update, Site Visit</b>								
ATLAS Labor and Expenses	Principal	hrs	2	140	--	280		
	Sr. Project Manager	hrs	20	115	--	2,300		
	Staff Scientist	hrs	10	85	--	850		
	Mileage (2 trips)	mi	20	0.575	--	12		
	QAPP, if Required	ea	1	1500	--	1,500		
						<b>ATLAS Subtotal</b>	4,942	
Locator Subcontractor	Private utility locate	hrs	10	150	1.15	1,725		
						<b>Locator Subtotal</b>	1,725	
						<b>Task Total</b>		<b>6,667</b>
<b>2. Soil Borings and Soil Sampling</b>								
ATLAS Labor and Expenses	Sr. Project Manager	hrs	14	115	--	1,610		
	Staff Scientist	hrs	70	85	--	5,950		
	Field Technician	hrs	70	65	--	4,550		
	Hand Auger (2)	day	7	60	--	420		
	Sampling Materials Fee	day	7	25	--	175		
	Mileage (7 trips)	mi	70	0.575	--	40		
						<b>ATLAS Subtotal</b>	12,745	
Lab Subcontractor								
-9 soil borings in 10 ft grid around hot spot	Soil PAHs - 6" (w/5 day RUSH)	sample	9	113	1.15	1,164		
	Soil PAHs - 12"	sample	9	75	1.15	776		
	Soil PAHs - 18"	sample	9	75	1.15	776		
	Soil PAHs - Duplicates (5% of samples)	sample	1	75	1.15	86		
-soil borings in three lines w/20 ft spacing	Soil PCBs - Line A 6" (w/5 day RUSH)	sample	68	120	1.15	9,384		
1,360 LF perimeter (68 per line; 204 total)	Soil PCBs - Line A 12"	sample	68	80	1.15	6,256		
(Hamel perimeter = 525 LF)	Soil PCBs - Line A 18"	sample	68	80	1.15	--		
Purtill perimeter = 525 LF)	Soil PCBs - Line B 6"	sample	68	80	1.15	6,256		
DuPont perimeter = 310 LF)	Soil PCBs - Line B 12"	sample	68	80	1.15	--		
Line A = drip edge	Soil PCBs - Line B 18"	sample	68	80	1.15	--		
Line B = 2.5' out from drip edge	Soil PCBs - Line C 6"	sample	68	80	1.15	--		
Line B = 5' out from drip edge	Soil PCBs - Line C 12"	sample	68	80	1.15	--		
	Soil PCBs - Line C 18"	sample	68	80	1.15	--		
	Soil PCBs - Duplicates (5% of samples)	sample	10	80	1.15	920		
One composite sample for each perimeter wall w/up to 8 aliquots from PCB sampling locations	Soil Lead - Line A 6" (w/5 day RUSH)	sample	12	30	1.15	414		
	Soil Lead - Line A 12"	sample	12	20	1.15	276		
	Soil Lead - Line A 18"	sample	12	20	1.15	--		
	Soil Lead - Line B 6"	sample	12	20	1.15	276		
	Soil Lead - Line B 12"	sample	12	20	1.15	--		
	Soil Lead - Line B 18"	sample	12	20	1.15	--		
NOTE: -PCB/lead lab costs assume Line A 6" and 12" and Line B 6" will be analyzed; all others not included in the total costs but unit costs are provided	Soil Lead - Line C 6"	sample	12	20	1.15	--		
	Soil Lead - Line C 12"	sample	12	20	1.15	--		
	Soil Lead - Line C 18"	sample	12	20	1.15	--		
	Soil Lead - Duplicates (5% of samples)	sample	1	20	1.15	--		
						<b>Laboratory Analytical Subtotal</b>	26,585	
						<b>Task Total</b>		<b>39,330</b>
<b>3. Indoor Air Sampling</b>								
To be determined								
<b>4. Monitoring Well &amp; Soil Vapor Point Decommissioning</b>								
ATLAS Labor and Expenses	Sr. Project Manager	hrs	2	115	--	230		
	Staff Scientist	hrs	12	85	--	1,020		
	Mileage	day	10	0.575	--	6		
						<b>ATLAS Subtotal</b>	1,256	
Drilling Subcontractor	Mob/Demob	ea	1	350	1.15	403		
	Well Abandonment - Labor	hrs	8	210	1.15	1,932		
	Well Abandonment - Material	ft	60	1.5	1.15	104		
	Surface Completion	ea	3	7	1.15	24		
						<b>Laboratory Analytical Subtotal</b>	2,462	
						<b>Total</b>		<b>3,718</b>

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<b>5. Additional Site Investigation Report</b>								
ATLAS Labor	Principal	hrs	2	140	--	280		
	Sr. Project Manager	hrs	20	115	--	2,300		
	Staff Scientist	hrs	8	85	--	680		
	CADD	hrs	6	70	--	420		
	Administrative	hrs	2	60	--	120		
			<b>Task Total</b>					<b>3,800</b>
<b>6. Evaluation of Corrective Action Alternatives (ECAA), if required</b>								
ATLAS Labor	Principal	hrs	1	140	--	140		
-assumes document w/o any pilot testing	Sr. Project Manager	hrs	16	115	--	1,840		
	Staff Scientist	hrs	6	85	--	510		
	CADD	hrs	4	70	--	280		
	Administrative	hrs	1	60	--	60		
			<b>Task Total</b>					<b>2,830</b>
<b>7. Corrective Action Plan (CAP)</b>								
ATLAS Labor	Principal	hrs	2	140	--	280		
-subject to change; design elements	Sr. Project Manager	hrs	40	115	--	4,600		
and actual regulated areas are unknown	P.E.	hrs	20	115	--	2,300		
at this time	Staff Scientist	hrs	16	85	--	1,360		
	CADD	hrs	16	70	--	1,120		
	Administrative	hrs	4	60	--	240		
			<b>Task Total</b>					<b>9,900</b>
						<b>Project Total</b>		<b>66,245</b>

Atlas Labor: 34,820.  
Expenses: 31,425.