

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

Task	Type	Units	Qty	Rate	Mark Up	Item Total	Sub Totals	Task Total	
1. Work Plan, Project Management, HASP Update, Site Visit									
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			
			ATLAS Subtotal					4,942	
Locator Subcontractor	Private utility locate	hrs	10	150	1.15	1,725			
			Locator Subtotal					1,725	
			Task Total						6,667
2. Soil Borings and Soil Sampling									
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			
			ATLAS Subtotal					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	6,256			
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	6,256			
Line A = drip edge	Soil PCBs - Line B 18"	sample	68	80	1.15	6,256			
Line B = 2.5' out from drip edge	Soil PCBs - Line C 6"	sample	68	80	1.15	6,256			
Line B = 5' out from drip edge	Soil PCBs - Line C 12"	sample	68	80	1.15	6,256			
	Soil PCBs - Line C 18"	sample	68	80	1.15	6,256			
	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	276			
	Soil Lead - Line B 6"	sample	12	20	1.15	276			
	Soil Lead - Line B 12"	sample	12	20	1.15	276			
	Soil Lead - Line B 18"	sample	12	20	1.15	276			
	Soil Lead - Line C 6"	sample	12	20	1.15	276			
	Soil Lead - Line C 12"	sample	12	20	1.15	276			
	Soil Lead - Line C 18"	sample	12	20	1.15	276			
	Soil Lead - Duplicates (5% of samples)	sample	1	20	1.15	23			
			Laboratory Analytical Subtotal					65,800	
			Task Total						78,545
3. Indoor Air Sampling									
To be determined									
4. Monitoring Well & Soil Vapor Point Decommissioning									
ATLAS Labor and Expenses	Sr. Project Manager	hrs	2	115	--	230			
	Staff Scientist	hrs	12	85	--	1,020			
	Mileage	day	10	0.575	--	6			
			ATLAS Subtotal					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			
			Laboratory Analytical Subtotal					2,462	
			Total						3,718

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5. Additional Site Investigation Report								
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		
			Task Total					3,800
6. Evaluation of Corrective Action Alternatives (ECAA), if required								
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		
			Task Total					2,830
7. Corrective Action Plan (CAP)								
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		
			Task Total					9,900
						Project Total		105,460

Atlas Labor: 34,820.

Expenses: 70,640.