Table A-1.1

Summary of Costs for Trapper Mine PR11 Bond Determination for Worst Case Year 2023

PR11

Activity		Cost ($)		Supporting Information			
Direct Costs		From Circes			Hours		
Regrade		$ 2,253,320	*	Appendix A, Tables A	29,092		
Topsoil Replacement		$ 7,333,420	*	Appendix A, Tables A	1,772		
Facilities Removal		$ 945,757		Appendix A, Table A-12			
Revegetation		$ 21,008,642	*	Appendix A, Table A-11			
Miscellaneous		$ 867,721		Appendix A, Table A-13			
Total		$ 32,408,860					
Indirect Costs							
Overhead & Profit							
Public Liability Ins (2.02%)	2.02%	$ 654,659					
Contractor Perf Bond (1.05%)	1.05%	$ 340,293					
Contractor Profit (10%)	10.00%	$ 3,240,886					
Job Superintendent @ $75.13/Hr. 50% of total Task Hou	540.76	$ 40,627		1.34 X PR9 Task hours adjustment			
		$ 4,276,465					
Contract Amount		$ 36,685,325					
Financial Warranty processing (legal/related costs):	Total=	$ -					
Engineering workand/or contract/bid Preparation:	4.25%	$ 1,559,126					
Reclamation management and/or administratiion:	2.65%	$ 972,161					
Contingency	0.0%	$ -					
Total Indirect Cost		$ 6,807,752			Acres	Cost/Acre	%
PR11 Worst Case Bond Estimate Total		$ 39,216,611.97			2836.40	$ 15,649.35	100.00%
Phase I Bond Release		$ 1,629,831.55			294.70	$ 6,259.74	40.00%
Phase II Bond Release		$ 897,591.41			432.80	$ 2,347.40	15.00%
Grand Total PR11 Bond Estimate:		$ 41,744,035					

Table A-1.1

Summary of Costs for Trapper Mine TR-134 Bond Determination for Worst Case Year 2023

TR-134 Alone_without I Pit East Dragline cuts

Activity			Cost ($)	Supporting Information
Direct Costs				
Regrade			$ -	
Topsoil Replacement			$ 383,845	
Facilities Removal			$ -	
Revegetation			$ 63,614	
Miscellaneous			$ -	
Total			$ 447,458	
Indirect Costs				
Overhead & Profit				
Public Liability Ins (2.02%)		2.02%	$ 9,039	
Contractor Perf Bond (1.05%)		1.05%	$ 4,698	
Contractor Profit (10%)		10.00%	$ 44,746	
Job Superintendent	*	0.014	$ 6,178	* ratio of TR-134/PR11 Direct Costs
			$ 64,661	
Contract Amount			$ 512,119	
Financial Warranty processing (legal/related costs):		Total=	$ -	
Engineering workand/or contract/bid Preparation:		4.25%	$ 21,765	
Reclamation management and/or administratiion:		2.65%	$ 13,571	
Contingency		0.0%	$ -	
Total Indirect Cost			$ 99,997	
PR11 Worst Case Bond Estimate Total			$ 547,455	
Phase I Bond Release				
Phase II Bond Release				
Grand Total TR-134 (No I East DL cuts) Bond Estimate:			$ 547,455	

Table A-1.1

Summary of Costs for Trapper Mine PR11 + TR-134 Bond Determination for Worst Case Year 2023

Activity			Cost ($)
Direct Costs			
Regrade			$ 2,253,320
Topsoil Replacement			$ 7,717,265
Facilities Removal			$ 945,757
Revegetation			$ 21,072,256
Miscellaneous			$ 867,721
Total			$ 32,856,318
Indirect Costs			
Overhead & Profit			
Public Liability Ins (2.02%)			$ 663,698
Contractor Perf Bond (1.05%)			$ 344,991
Contractor Profit (10%)			$ 3,285,632
Job Superintendent	*		$ 46,805
			$ 4,341,126
Contract Amount			$ 37,197,443
Financial Warranty processing (legal/related costs):		Total=	$ -
Engineering workand/or contract/bid Preparation:		4.25%	$ 1,580,891
Reclamation management and/or administratiion:		2.65%	$ 985,732
Contingency		0.0%	
Total Indirect Cost			$ 6,907,749
PR11 Worst Case Bond Estimate Total			$ 39,764,067.08
Phase I Bond Release			
Phase II Bond Release			
Grand Total TR-134 Bond Estimate:			$ 42,291,490

Revision: TR-134
Submitted: 4-24-2023

Table A-1.1

Summary of Costs for Trapper Mine TR-134 Bond Determination for Worst Case Year 2023

Activity			Cost ($)	Supporting Information
Direct Costs				
Regrade		$	-	
Topsoil Replacement		$	383,845	
Facilities Removal		$	-	
Revegetation		$	63,614	
Miscellaneous		$	-	
Total		$	447,458	
Indirect Costs				
Overhead & Profit				
Public Liability Ins (2.02%)	2.02%	$	9,039	
Contractor Perf Bond (1.05%)	1.05%	$	4,698	
Contractor Profit (10%)	10.00%	$	44,746	
Job Superintendent *	0.014	$	6,178	* ratio of TR-134/PR11 Direct Costs
		$	64,661	
Contract Amount		$	512,119	
Financial Warranty processing (legal/related costs):	Total=	$	-	
Engineering workand/or contract/bid Preparation:	4.25%	$	21,765	
Reclamation management and/or administratiion:	2.65%	$	13,571	
Contingency	0.0%	$	-	
Total Indirect Cost		$	99,997	
PR11 Worst Case Bond Estimate Total		$	547,455	
Phase I Bond Release				
Phase II Bond Release				

Grand Total TR-134 Bond Estimate: $ 547,455

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Table A-10.2 Calculations for time required for topsoiling - Colt Pit - (with Scrapers)

Colt Pit Route From	Cubic Yards	Haul Distance (Ft.)	Average Grade (%)	Production Rate (cyds/hr)	Adjusted* Production (cyds/hr)	Scraper/Truck Hours	Number of Scrapers	Fleet Hours	Fleet Cost ($/hr)	Total ($)
C Pit Future TS Pile	122,242	2000	-4.5	369	369	331	8	41	$ 5,615.15	$ 232,642.54
Colt Pit Total	122,242			369	369	331	8	41	$ 5,615.15	**$ 232,642.54**

Table A-10.5A Calculations for time required for topsoiling - Jennings Pit - (with Truck/Excavator)

Jennings Pit Route From	Cubic Yards	Haul Distance (Ft.)	Average Grade (%)	Production Rate (cyds/hr)	Adjusted* Production (cyds/hr)	Loader Hours	Number of Trucks	Truck Hours	Fleet Cost ($/hr)	Total ($)
A91-8 to J Pit	21,038	7749	-2.6%	1163	1163	18.1	4	64.0	$ 2,505.67	$ 45,326.34
ASH-1 to J Pit	34,913	7908	-3.5%	1111	1111	31.4	6	189.0	$ 3,368.49	$ 105,875.64
Total	55,950	7848	-3.2%	1130	1130	50	3	253	$ 3,053.31	**$ 151,201.97**

Table A-11.1 **Summary of estimated revegetation quantities and costs.**

Postmining Land Use	Location	Acres	Unit Cost ($/acre) (1)	Total Cost ($)
Cropland	None	0	$ 223.64	$ -
Rangeland w/o shrubs (below 6700' Elev.)	Facilities	0.0	$ 318.15	$ -
	Roads etc.	0.0	$ 318.15	$ -
	Colt Pit	75.77	$ 318.15	$ 24,106.17
	Derringer (D) Pit	0.0	$ 318.15	$ -
	Ithaca East Pit	0.00	$ 318.15	$ -
	Jennings Pit	34.68	$ 318.15	$ 11,033.44
	Ithaca/Jennings Spoil Dump Stockpile	0.0	$ 318.15	$ -
	BC Road	0.0	$ 318.15	$ -
	Nighthawk Pit	0.0	$ 318.15	$ -
	Coyote Pond	0.0	$ 318.15	$ -
	Sage Pond	0.0	$ 318.15	$ -
	Far East Buzzard Pond	0.0	$ 318.15	$ -
	Johnson Coal Stockpile	0.0	$ 318.15	$ -
	Dragline Walk Road	0.0	$ 318.15	$ -
	topsoil Piles *	0.00	$ 318.15	$ -
	Sub-Total	110.45		$ 35,139.61
Rangeland w/shrubs (above 6700' Elev.)	Roads etc.	0.0	$ 586.70	$ -
	Derringer (D) Pit	0.0	$ 586.70	$ -
	Ash Pit	0.0	$ 586.70	$ -
	Lancastor Pit	0.0	$ 586.70	$ -
	Nighthawk Pit	0.0	$ 586.70	$ -
	Deal 1 Pond	0.0	$ 586.70	$ -
	West Horse Pond	0.0	$ 586.70	$ -
	Deal 2 Pond	0.0	$ 586.70	$ -
	Deacon 1 and 2	0.00	$ 586.70	$ -
	Jeffway 1	0.00	$ 586.70	$ -
	Proposed Jeffway 2	0.00	$ 586.70	$ -
	topsoil Piles *	0.0	$ 586.70	$ -
	Sub-Total	0.0		$ -
	Total Remaining Regrade	110.45	Acres	$ 35,139.61
Re-seed For Failure (2)				
Cropland re-seed		0	$ 137.20	$ -
Rangeland w/o shrubs re-seed		* 19.33	$ 318.15	$ 6,149.43
Rangeland w/shrubs re-seed		0	$ 586.70	$ -
	Sub-Total	5.3		$ 6,149.43
Other Costs				
Erosion Control Ditches 2,393	feet	* $ 38.92	per 100 Feet	$ 931.26
Drainage Stabilization 1.2	acres (3)	* $ 17,393.00	per acre (4)	$ 21,393.39
TOTAL				**$ 63,613.70**

(1) Unit Cost from Table 1.4-11
(2) Based on 17.5% failure rate
(3) Pro-rated based on 25.7 ac PR11 drainage stabilization for 2307.8 PR11 Re-veg acres.
(4) Trapper's actual cost for the year 2006.

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