Appendix A Bond Addendums

	PR-11			TR-134		MR-229	
	DIRECT COST SUMMARY			J-Pit Dragline Cuts		J-Pit Additional Stripping	
Activity		**Cost ($)**			**Cost ($)**		**Cost ($)**
Direct Costs		From Circes					
Regrade		$ 2,253,320	*		$ -		$ -
Topsoil Replacement		$ 7,333,420	*		$ 383,845		$ 94,618
Facilities Removal		$ 945,757			$ -		$ -
Revegetation		$ 21,008,642	*		$ 63,614		$ 4,598
Miscellaneous		$ 867,721			$ -		$ -
Total		$ 32,408,860			$ 447,458		$ 99,217
Indirect Costs							
Overhead & Profit							
Public Liability Ins (2.02%)	2.02%	$ 654,659		2.02%	$ 9,039	2.02%	$ 2,004
Contractor Perf Bond (1.05%)	1.05%	$ 340,293		1.05%	$ 4,698	1.05%	$ 1,042
Contractor Profit (10%)	10.00%	$ 3,240,886		10.00%	$ 44,746	10.00%	$ 9,922
Job Superintendent @ $75.13/Hr. 50% of total Tas	540.76	$ 40,627		0.014	$ 6,178	0.014	$ 1,370
		$ 4,276,465			$ 64,661		$ 14,337
Contract Amount		$ 36,685,325			$ 512,119		$ 113,554
Financial Warranty processing (legal/related costs):	Total=	$ -		Total=	$ -	Total=	$ -
Engineering work and/or contract/bid Preparation:	4.25%	$ 1,559,126		4.25%	$ 21,765	4.25%	$ 4,826
Reclamation management and/or administration:	2.65%	$ 972,161		2.65%	$ 13,571	2.65%	$ 3,009
Contingency	0.0%	$ -		0.0%	$ -	0.0%	$ -
Total Indirect Cost		$ 6,807,752			$ 99,997		$ 22,173
PR11 Worst Case Bond Estimate		$ 39,216,611.97		Revision Total	$ 547,455	Revision Total	$ 121,389
Acreage Change					110.8		12.3

Acres	Cost/Acre	%
2836.4	$ 15,649.35	100%
294.7	$ 6,259.74	40%
432.8	$ 2,347.40	15%

Phase Bond Release Area Cost Accounting

PR11 Worst Case Bond Estimate Total	$ 39,216,611.97		
Phase I Bond Release	$ 1,629,831.55		
Phase II Bond Release	$ 897,591.41		
		Accrued Total Bond	**Accrued Total Bond**
Grand Total PR11 Bond Estimate:	**$ 41,744,035**	$ 42,291,490	$ 42,412,879

Revision: MR-229
Submitted: 11-14-2023

Table A-1.1
Summary of Costs for Trapper Mine MR-229 Bond Determination

MR-229

Activity			Cost ($)		Supporting Information
Direct Costs					
Regrade		$	-		
Topsoil Replacement		$	94,618		
Facilities Removal		$	-		
Revegetation		$	4,598		
Miscellaneous		$	-		
Total		$	99,217		
Indirect Costs					
Overhead & Profit					
Public Liability Ins (2.02%)	2.02%	$	2,004		
Contractor Perf Bond (1.05%)	1.05%	$	1,042		
Contractor Profit (10%)	10.00%	$	9,922		
Job Superintendent *	0.014	$	1,370	*	ratio of TR-134/PR11 Direct Costs
		$	14,337		
Contract Amount		$	113,554		
Financial Warranty processing (legal/related costs):	Total=	$	-		
Engineering workand/or contract/bid Preparation:	4.25%	$	4,826		
Reclamation management and/or administratiion:	2.65%	$	3,009		
Contingency	0.0%	$	-		
Total Indirect Cost		$	22,173		
PR11 Worst Case Bond Estimate Total		$	121,389		
Phase I Bond Release					
Phase II Bond Release					

Grand Total MR-229 Bond Estimate: $ 121,389

Revision: MR-229
Submitted: 11-14-2023

Table A-10.5A Calculations for time required for topsoiling - Jennings Pit - (with scraper)

Jennings 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 ($/hr)	Total ($)
J23-1 to J-Pit	29,657	950	7.8	220	220	135	8	17	$ 5,615.15	$ 94,618.47
Total	29,657	950	8	220	220	135	3	17	$ 5,615.15	**$ 94,618.47**

Revision: MR-229
Submitted: 11-14-2023

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		$ 318.15	$ -
	Derringer (D) Pit	0.0	$ 318.15	$ -
	Ithaca East Pit	0.00	$ 318.15	$ -
	Jennings Pit	12.30	$ 318.15	$ 3,913.25
	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	12.30		$ 3,913.25
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	12.30	Acres	$ 3,913.25
Re-seed For Failure (2)				
Cropland re-seed		0	$ 137.20	$ -
Rangeland w/o shrubs re-seed		* 2.15	$ 318.15	$ 684.82
Rangeland w/shrubs re-seed		0	$ 586.70	$ -
	Sub-Total	2.15		$ 684.82
Other Costs				
Erosion Control Ditches	feet	* $ 38.92	per 100 Feet	$ -
Drainage Stabilization	acres (3)	* $ 17,393.00	per acre (4)	$ -
TOTAL				**$ 4,598.06**

(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.